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FEBRUARY 1989

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JERRY SPEAKS!

Legs McNeil
interviews
Jerry Garcia

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by Jack Herer

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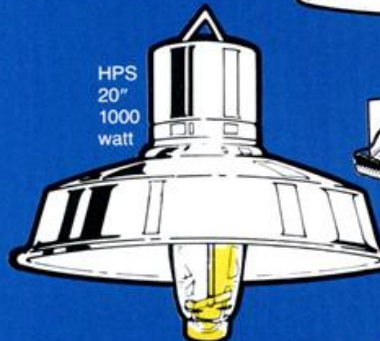
46" Super Reflective Aluminum Hood



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MH Deluxe Ballast



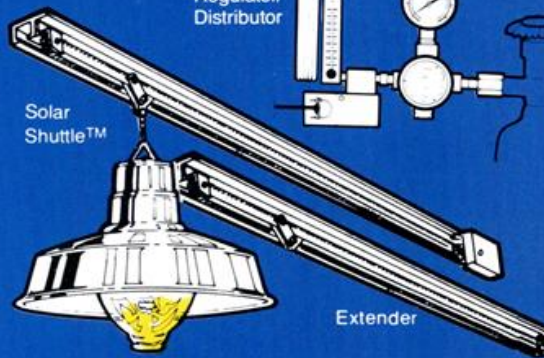
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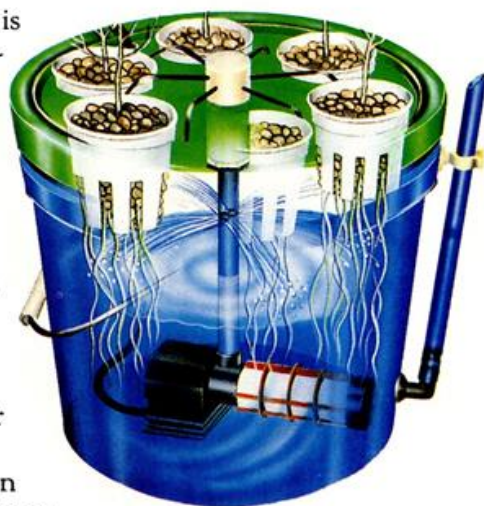
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NO. 162 CONTENTS

FEB. 1989

Special Grateful Dead issue!

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Jerry Garcia is Dead serious about saving the rainforests. We urge you to read what he has to say.

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To reverse the Greenhouse Effect, we need to plant our fastest growing biomass, which just happens to be marijuana.

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Jerry Garcia of the
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by Chris Carroll.



HIGH TIMES



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FEBRUARY 1989 • No. 162 • HIGH TIMES (ISSN #0362-630X) is published monthly by Trans-High Corporation, Robert Aronson, President • Mail subscriptions (payable in U.S. funds) and changes of address (please include most recent mailing label) to P.O. Box 410, Mt. Morris, IL., 61054. • Allow 6 to 8 weeks for delivery of first issue or for change of address • Subscriptions in the United States: 12 issues for \$29.95, 24 issues for \$54.95 • Single copy price: \$3.95 • In Canada: 12 issues for \$37.45, 24 issues for \$68.95 • All other countries by surface mail: 12 issues for \$37.45 • All other countries by airmail: \$67.00 • Offices at 211 E. 43rd St., New York, NY 10017 • Second class postage paid at New York, NY, and at additional mailing offices • Manuscripts must be accompanied by a self-addressed stamped envelope • All contributions will be carefully considered, but the publisher and editors assume no responsibility for loss or injury to unsolicited material • Copyright ©1989 by Trans-High Corporation. Nothing in this publication may be reproduced in any manner, either in whole or in part, without specific written permission of the publisher. All rights reserved. "High Times" is a registered trademark. HIGH TIMES and Trans-High Corporation assume no responsibility for any claims or representations contained in this magazine or in any advertisement, nor do they encourage the illegal use of any of the products advertised herein. All advertising and advertised products void where prohibited. Postmaster: Please send address changes to HIGH TIMES, P.O. Box 410, Mt. Morris, IL., 61054.

PAGE SIX

The staff of HIGH TIMES is proud to present our long-awaited interview with Jerry Garcia. Not only does this mark the first time that any member of the Grateful Dead has allowed an interview to be published here, but the topic of the conversation—saving the rainforests from destruction—is an important aspect of the marijuana protest movement. The war on drugs is also a war on the environment, and the article by Jack Herer, "Can Pot Save The World" (see page 36) offers the best proof of this. If we all support action and protests to save the environment and to legalize pot, our children will live in a better world. But, as Jerry says, time is running out. The time to act is NOW.

There's an interesting footnote to our Jerry Garcia interview. Back in the '70s, I started PUNK magazine with this teenager, Legs McNeil. The magazine took off in a big way, and before we knew it, we were working for HIGH TIMES. The magazine's founder, Tom Forcade, was seriously into punk rock, and was one of the first people to recognize our talents. Although we were quite young and inexperienced, Tom hired Legs and me to do quite a lot of different articles for the early issues.

Legs and I continued to work here after Tom's demise. In fact, McNeil caught his big break in 1979, when he interviewed Norman Mailer for the special fifth anniversary edition of HIGH TIMES. Several European magazines picked up the interview, Legs started making real money as a writer, hired a literary agent, and became internationally renowned. Now, he's even more notorious as a writer and Senior Editor for Bob Guccione Jr.'s SPIN magazine. But Legs McNeil will always be remembered as the "original punk."

This month's interview with Jerry Garcia marks a happy reunion between Legs and me. In a strange way, this month's "Legs McNeil Famous Person's Interview" is the result of Tom Forcade's vision for HIGH TIMES to be a magazine for people of all cultures who enjoy getting high—hippies, punks, beatniks, and any other alternative culture who feels outside the mainstream.

JOHN HOLMSTROM

—John Holmstrom
Executive Editor

PS. Sadly, Jim Poling's video column "Tapeworm," will no longer appear in HIGH TIMES. His columns on film and video first appeared in the July 1986 issue, and coincided with the magazine's resurgence. His work will be missed by many of you, but Jim got an offer he couldn't refuse—he's moving to Hollywood, having landed his first movie deal. We'd like to wish him good luck in his future projects.



Jerry Garcia and Legs McNeil.



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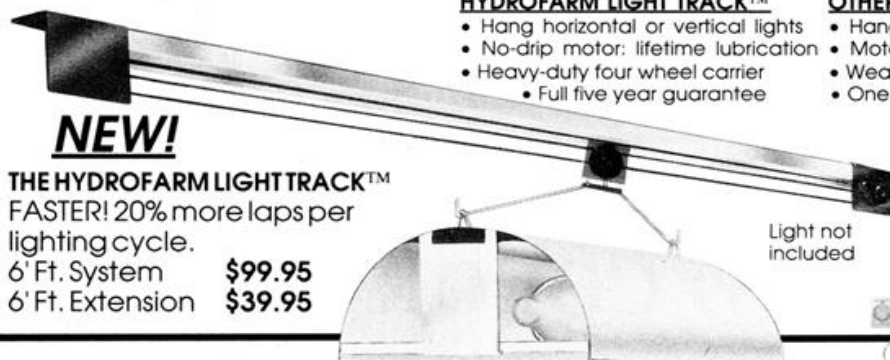
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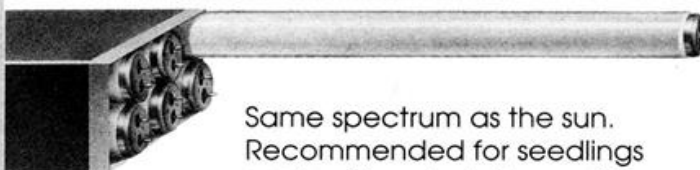
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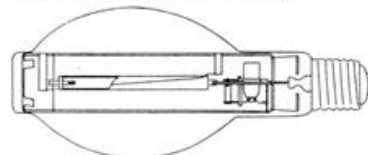
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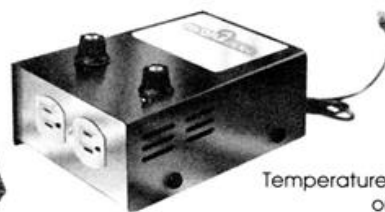
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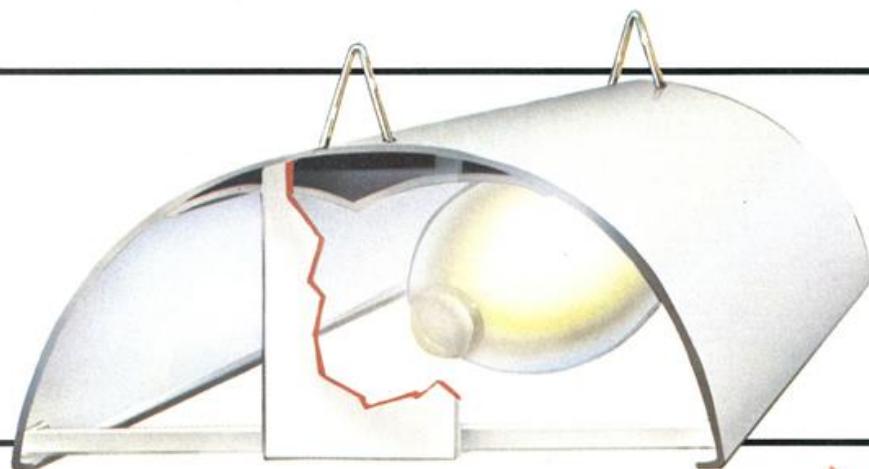


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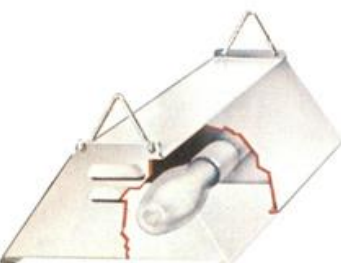
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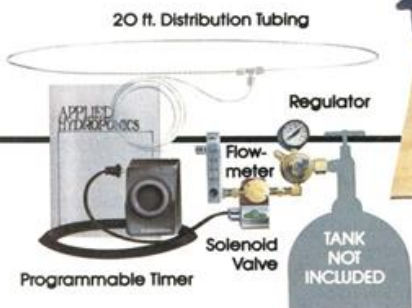
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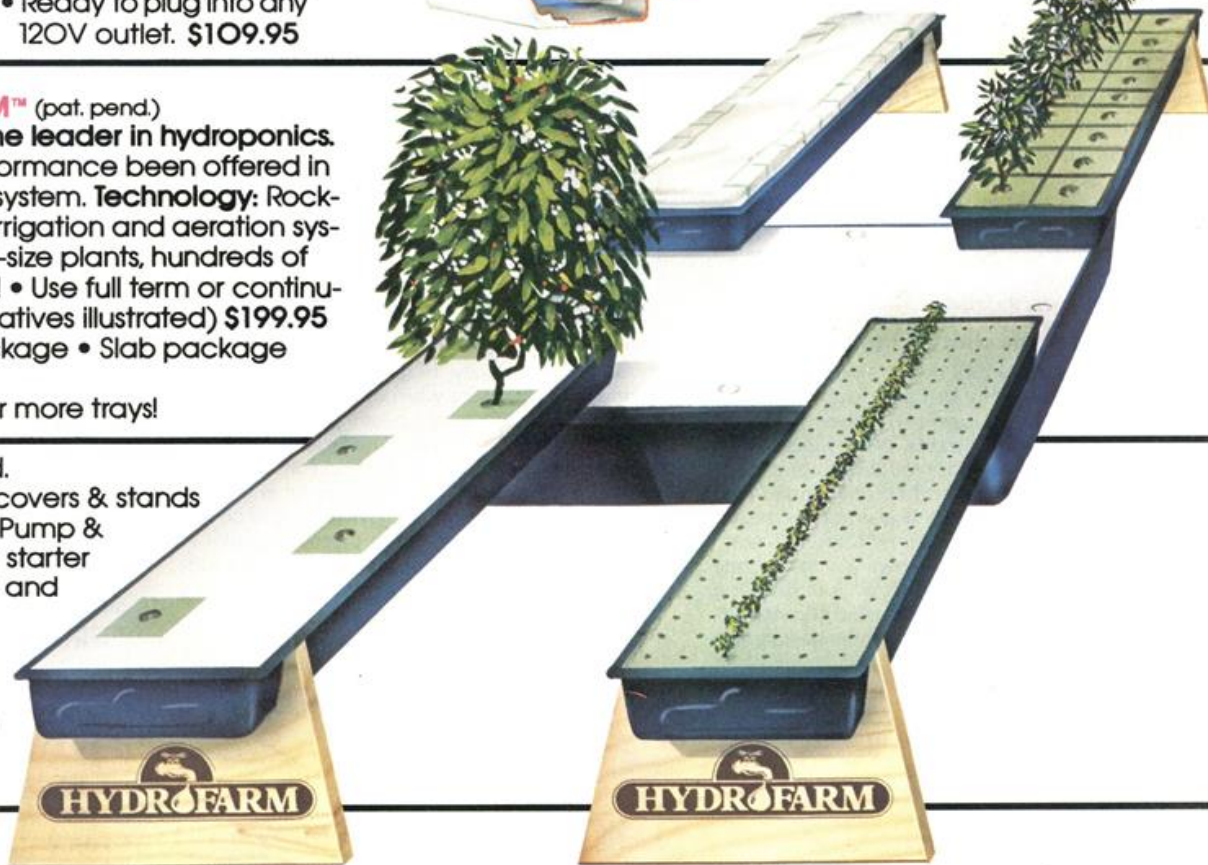
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- Unique programmable timing **\$149.95**



Only Applied Hydroponics offers:

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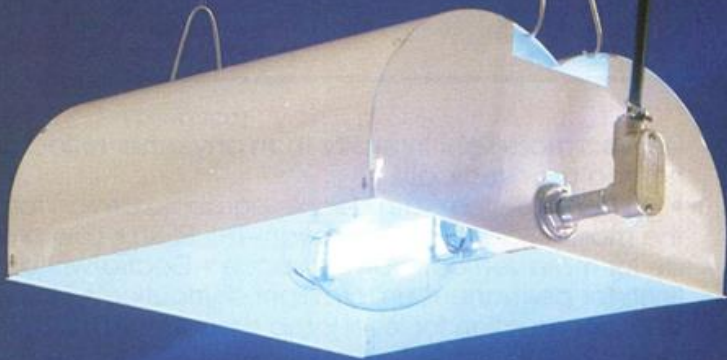


COD



CA & PA residents add 6% sales tax. All prices plus shipping.

MAX-89 "THE ULTIMATE HORIZONTAL"
89% increase in light output
 Double Arc, low profile, adjustable, electro-white ▼



Compare Quality & Price
you are saving 5% to 40%

Heavy Duty Ballast ▶
With 38 cooling louvers



Mini-Horizontal (20"X 10"x 6")
 ◀ **Compact Yet Powerful**



CO₂ Enrichment System

HAMILTON'S GROW LIGHTS ARE THE NEW #1 IN THE U.S.A.

Only Hamilton has been honored for having its Horizontal Lighting Systems exhibited at the 1988 Hydroponic Society of America convention

A good grow light is the key to your indoor growing success

It is well known that Metal Halide and High Pressure Sodium full spectrum lights, especially in a horizontal system, are the best lights to promote good plant growth and to increase bud and flower production. All other lighting systems including fluorescent are too weak to supply enough light for budding and flowering.

How to get maximum light output

Hamilton has perfected the ultimate horizontal reflector: **Max 89. The unique double arc "v" design and the super reflective finish of Max 89 give a remarkable 89% increase in light output** over vertical mounted lights. It is not possible to design a reflector that can give more light than Max 89. Its ventilation design assures a longer bulb life. Every Max 89 has an adjustment feature which allows you to regulate light to meet the requirements of your growing area with either more concentrated or more diffused light. Max 89 has a low profile design that actually leaves more vertical space for plant growth.

Percentage of light output increase

Hamilton Technology	89%
Max 89™	
Hamilton Technology	68%
Mini-Horizontal	

Better safe than sorry

Many poorly designed lighting systems become fire hazards with increased use. Hamilton's UL approved heavy-duty, high temperature resistant lamp cords are not only 220° F./600 volt but have an "STO" safety and durability rating. For utmost safety, lamp cords are connected 4" away from the socket in a protective junction box to prevent fire from lamp heat build up.

MH250 Mini-Professional System

The most powerful mini-horizontal on the market (reg. \$148) **Sale \$119.⁹⁵**

Mini-Horizontal MH175 or HPS150

Compact (built-in ballast), powerful & economical. Ideal for small growing areas, side lighting, and cuttings (reg. \$119) **only \$95.⁰⁰**

How to get highest quality products

Our UL approved ballast components are mounted on a heavy 14 gauge steel panel with strong studs to insure whisper-quiet performance and durability. The single heavy panel acts as an excellent heat dissipator, unlike thin, double-walled heat traps that vibrate and echo irritating noise. The 3-way, 38 bi-level louvered enclosure gives maximum cooling air flow for longer ballast life. These louvers give better protection against water splash and dirt entry than screen or slot type systems. Our ballasts come with a rust protective white finish.

Comparison of Ballast Enclosure

Hamilton Technology	
38 bi-level louvers, 3 way	
Competitor A	
12 louvers	
Competitor B (no louvers, slot type)	

NEW! Conversion HPS Bulbs that work in Metal Halide Systems

Convert your existing Metal Halide System into High Pressure Sodium by simply changing a bulb.

1000w \$129⁹⁰ — 400w \$59⁹⁰ — 175w \$57⁹⁰

Best value at Hamilton

Hamilton offers quality products at the lowest prices. Why should you pay inflated prices for inferior products? Order from our large selection of light and hydroponic systems. **On page 12**

★ see ad on page 12 ★

COMPARE PRICE & SAVE WITH HAMILTON

Metal Halide 1000w from	\$139.95 to \$179.95
Metal Halide 400w Deluxe	\$133.95
Combination MH 400w/HPS 400w	\$299.00
High Pressure Sodium 1000w Deluxe	\$255.95
High Pressure Sodium 400w Deluxe	\$174.95
Mini-Horizontal MH 175w or HPS 150w	\$95.00

CO₂ Enrichment System

Increasing CO₂ in the air speeds plant growth dramatically and doubles budding and flowering. Fully assembled unit includes: Regulator, Gauge, Solenoid Valve, FlowMeter, Tubing, Instructions. (Timer optional \$7) **Sale \$129⁹⁵**

Satisfaction guaranteed

Order from Hamilton with confidence that our systems are of exceptional quality, performance and value. Our light systems will perform beyond your greatest expectations. We fully guarantee your complete satisfaction with our **30-day money back policy**. Our lighting systems are **guaranteed for 5 years** (bulb 1 year).

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- Atlanta, Georgia:** (404) 928-4769
 Hy-dro-Gro Mini-Farm, 6525 Bells Ferry Road, Woodstock
- Columbus, Georgia:** (404) 324-4769
 Hy-dro-Gro Mini-Farm, Route 1, Cataula,
 (2 miles North of Columbus on Hamilton Road)
- Denver, Colorado:** (303) 744-6400
 Thomas Floral, 1 Broadway #108
- Richmond, Virginia:** (804) 353-3122
 T.C. Gallery, 4201 West Broad Street

• Prices may vary at stores

METAL HALIDE COMPLETE GROWLIGHT SYSTEMS

1000 WATT SYSTEMS

DELUXE - 46" round or parabolic 20" horizontal	184.50
STANDARD - 18" White Enamel Reflector	167.50
ECONOMY - 2'x3' Polished Aluminum Reflector	144.50
To upgrade to a 125,000 lumen- 12,000 hour Superbulb	Add 15.00
Phosphorous coated bulbs	Add 6.00

400 WATT SYSTEMS

DELUXE - 14" White Enamel Reflector	134.50
STANDARD - 14" White Enamel Reflector	124.50
ECONOMY - 2'x3' Polished Aluminum Reflector	109.50
To upgrade to a 40,000 lumen- 20,000 hour Superbulb	Add 10.00
Phosphorous coated bulbs	Add 6.00

MINI-MIGHT METAL HALIDE 175 WATT

HIGH PRESSURE SODIUM COMPLETE GROWLIGHT SYSTEMS

DELUXE 1000 Watt - 46" round or parabolic 20" horizontal	269.50
DELUXE 400 Watt - 14" Reflector	189.50
MINI-MIGHT 150 Watt (16,000 lumens)	99.00

LOW PRESSURE SODIUM COMPLETE GROWLIGHT SYSTEMS

DELUXE 180 Watt Low Pressure Sodium Light	195.00
--	--------

LIGHT MOVERS

6' Solar Shuttle	99.00
6' Solar Shuttle Extender	39.95
Solar Shuttle Motor	22.00
Whirligig Light Turret	119.00
Sun Circle Light Rotator 360°	
One revolution every 40 minutes.	
1 Arm	139.00
2 Arm	199.00
3 Arm	256.00

TIMERS

Paragon 15 amp/120 volt	14.95
Dayton 15 amp/120 volt	19.95
Dayton 40 amp/120 volt	37.95
Dayton 40 amp/240 volt	39.95
Cycle Timer 1-60 min. on/off	79.00

BULBS

METAL HALIDE BULBS

M175 - 15,000 lumens-20,000 hours	29.00
M400 - 34,000 lumens-20,000 hours	36.95
MS400 - 40,000 lumens-20,000 hours	45.95
M1000 - 110,000 lumens-12,000 hours	54.95
MS1000 - 125,000 lumens-12,000 hours	69.95
Phosphorous Coated Bulbs	Add 6.00

HIGH PRESSURE SODIUM CONVERSION BULBS

Now available. An energy saving sodium bulb that runs off your existing Metal Halide ballast.	
175w - 15,000 lumens-24,000 hours	59.00
400w - 50,000 lumens-24,000 hours	69.00
1000w - 140,000 lumens-24,000 hours	139.00

HIGH PRESSURE SODIUM BULBS

LU150 - 16,000 lumens-24,000 hours	39.00
LU400 - 50,000 lumens-24,000 hours	52.95
LU1000 - 140,000 lumens-24,000 hours	94.95

LOW PRESSURE SODIUM BULBS

180 Watt - 33,000 lumens-24,000 hours	95.00
---------------------------------------	-------

We're celebrating our 10th Anniversary with a 5% discount on all items. Plus a 5 year warranty on all lighting systems. (One year warranty on bulbs.)

VITA LITE

4-ft. power twist, 40 Watt	13.95
Case of six	75.00

REFLECTORS

(complete with socket and cord)

46" polished aluminum or white	49.00
20" horizontal	49.00
20" adjustable white	40.00
18" white	30.00
14" white	25.00
48" Parabolic hood	49.00
4'x4' square polished aluminum	115.00
5'x5' square polished aluminum	130.00

BALLASTS

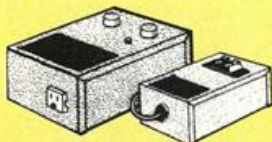
Metal Halide Ballasts (110v or 220v available)	
Deluxe 1000w (includes power supply)	115.00
Stan. 1000w	105.00
Econ. 1000w (uncovered)	97.00
Deluxe 400w (includes power supply)	95.00
Stan. 400w	85.00
Economy 400w (uncovered)	70.00
Ballast cover	10.00
High Pressure Sodium Ballasts (110v or 220v avail.)	
Deluxe 1000w	170.50
Deluxe 400w	125.50

HYDROPONIC SYSTEMS

4 unit hydrosplot	208.00
8 unit hydrosplot	295.00
Each additional hydrosplot	16.00

SUBMERSIBLE PUMPS

#2P495-120 GPH.	37.95
#1P553-140 GPH.	39.95
#1P321-300 GPH.	56.95



SURGE SURVIVAL SYSTEM

Command Module with one Remote Module (120 or 240 volts)	139.00
Additional Remote Modules (120 or 240 volts)	ea. 45.00

METERS

PH Digital Meter	75.00
Dissolved Solids Digital Meter	75.00
Light Intensity Meter	24.99
Plant Computer	19.95
PH Computer	19.95
Soil Salts Meter	20.99
Moisture Meter	11.95
MIN/MAX Thermometer	32.95
Taylor 4" Barometer	39.95
Fertilizer Analyzer	20.99
Humidity Gauge	21.95
Deluxe Humidity and Temperature Gauge	36.95
CO ₂ Gas Detector System (2 analyzer tubes incl.)	19.95
CO ₂ Analyzer Tubes	3.75
CO ₂ Tester	8.99



SOIL AND LIQUID TESTERS

Sudbury Soil Test Kit (Tests Ph, N, P, K)	14.95
Sudbury Soil PH Tester	3.99
Tetra Test Liquid PH Tester	3.95
Wardley Jr. Liquid PH Tester	3.95
Wardley Sr. PH Test Kit	5.99
Penn Plax Test Strip for Liquid PH	2.75

FANS AND BLOWERS

Ventilator fan with Thermostat (14" 900 CFM)	69.95
Squirrel Cage-15 CFM	21.95
Squirrel Cage-50 CFM	29.95
Squirrel Cage-100 CFM	43.95
Squirrel Cage-160 CFM	54.95
Squirrel Cage-200 CFM	69.95
Squirrel Cage-265 CFM	69.95
Squirrel Cage-320 CFM	74.95
Squirrel Cage-465 CFM	79.95
Squirrel Cage-525 CFM	89.95
Squirrel Cage-960 CFM	159.95
Thermostat	19.95
Auto Flo Humidistat	34.95

CO₂ SYSTEMS

CO ₂ Regulator/Distributor	139.00
E.S.U. CO ₂ Generator (up to 500 sq. ft.)	324.00
Johnson CO ₂ Generator (up to 4800 sq. ft.)	499.00

CHARCOAL FILTER SYSTEMS

Skunk Buster #100	109.00
Skunk Buster #200	169.00
Skunk Buster #400	225.00

NEGATIVE ION GENERATORS

Airease	49.95
Pulsair	99.00



GROWING SUPPLIES

Mylar (Double-sided 99% reflectivity)	
4'x50' roll	29.00
4'x100' roll	49.00
Mini Grow House	14.95
Rock Wool	
2"x2" Cubes	20
3"x3" Cubes	39
3"x4" Cubes	49
40 lb. Bale	39.00
Rock Wool Slabs	
3'x6"x3"	4.99
3'x8"x3"	6.99
3'x12"x3"	10.99
Grow Bags	
2 Gallon Grow Bag	39
5 Gallon Grow Bag	59
7 Gallon Grow Bag	65
10 Gallon Grow Bag	69
Alka Liche	
1 quart	6.95
1 gallon	16.99
Safer Soap Insect Spray	
8 oz. spray	2.99
8 oz. concentrate	6.75
Rootone Hormone Rooting Powder (4 oz.)	1.69
Jiffy 7 Peat Pellets (2 doz.)	2.40
Wilt Pruf Plant Protector (Keeps leaves from burning)	
14 oz. Spray	5.49
1 pint concentrate	8.99

BLACK GOLD FERTILIZER

All Organic 1.5 cu. ft.	8.99
Pure Earthworm Castings 20 quarts	13.95

NUTRIENTS

Greenleaves All Purpose Liquid Nutrient - ideal for all stages of growth. Use with soil or hydroponic systems.	
12 oz. bottle	3.95
1 gallon	19.95
Super Bloom Liquid Greenleaves 10-40-10	
12 oz. bottle	5.95
1 gallon	24.95
E.S.U. Dry Concentrate - concentrated water soluble fertilizer, 1 teasp. per gallon, 1 pound makes 100 gallons.	
Grow (20-6-16) Bloom (9-21-12) All Purpose (16-12-16)	
8 oz.	3.95
5 lbs.	19.95
25 lbs.	79.00

ROOTING FORMULA

Great Roots - Super liquid rooting formula (with rooting hormones and minerals) 2 part	
13 oz. total	14.95

BOOKS

Gardening Indoors	14.95
Beginning Hydroponics	7.95
Hydroponic Gardening	7.95
Hydroponic Food Production	24.95

INDUSTRIAL CATALOG

(\$5.00 refunded with first order from catalog)	5.00
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THE SECRET OF SUCCESSFUL INDOOR GROWING

the easy Hamilton way...

Grow bigger, healthier plants faster.

PROVEN RESULTS: Metal halide and high pressure sodium lights create the highest intensity, best quality sun's full spectrum - indoors. Fluorescent systems are weak, inefficient and do not give your plants enough light lumens for good growth and flowering.

COMPARE & SAVE!

Highest quality products at lowest prices

METAL HALIDE: Best for fast plant growth.

SALE

MH 1000 Watt Basic System (Reg. \$182) **\$139.95**

High quality, assembled, QUIET, open ballast; 20' lamp cord; power cord; socket; 110,000 lumen / 12,000 hr. bulb. (For SUPER BULB, 14% brighter add \$14.00)

MH 1000 Watt Deluxe System (Reg. \$238) **\$179.95**

Choice of 24" Horizontal, 48" Parabolic, or MAX-89 reflector. High quality, assembled, QUIET, ventilated ballast box with GROUND 6-OUTLET, ON-OFF CONTROL, 15Amp. PROTECTIVE CIRCUIT BREAKER; 20' lamp cord; 110,000 lumen / 12,000 hr. bulb. (For SUPER BULB, 14% brighter, add \$14.00).

MH 400 Watt Deluxe System Ideal for small area up to 4'x4' (Reg. \$151) **\$133.95**

24" Horizontal reflector (for MAX-89 or 48" Parabolic add \$9.95). High quality, assembled, QUIET, ventilated ballast box; 20' lamp cord; 34,000 lumen / 20,000 hr. bulb. (For SUPER BULB, 18% brighter add \$10.00).

MH 250 Watt Mini-Professional System For 3'x3' area (Reg. \$148) **\$119.95**

Compact, most powerful mini-horizontal, built-in ballast, 68% more efficient than vertical systems, economical to operate. (HPS 250w Conversion bulb available)

HIGH PRESSURE SODIUM: Increases budding & flowering

HPS 1000 Watt Deluxe System (Reg. \$317) **\$255.95**

Choice of: 24" Horizontal, 48" Parabolic, or MAX-89 reflector. High quality, assembled, QUIET, ventilated ballast box; 20' lamp cord; 5KV socket; 140,000 lumen / 24,000 hr. bulb. Our most powerful light for flowering.

HPS 400 Watt Deluxe System (Reg. \$215) **\$174.95**

24" Horizontal reflector (for MAX-89, or 48" Parabolic add \$9.95). High quality, assembled, QUIET, ventilated ballast box; 20' lamp cord, 50,000 lumen / 24,000 hr. bulb.

MINI-HORIZONTAL: MH 175w OR HPS 150w (Reg. \$119) **\$95.00**

Compact yet powerful, 20"X10"X6", electro-white, built-in ballast, economical to operate.

COMBINATION MH/HPS SYSTEM: Perfectly blended lights

Combo MH 400 / HPS 400 Deluxe System (Reg. \$378) **\$299.00**

MH 400 & HPS 400 bulbs under a 24" Horizontal Reflector; QUIET, remote ballasts. (For MAX-89 reflector add \$9.95) (For Combo MH 1000 / HPS 400 Deluxe add \$69.00).

Combo MH 1000 / HPS 1000 MAX-89 System (Reg. \$542) **\$425.95**

Two 1000w bulbs under MAX-89 reflector; QUIET, remote ballasts, etc. Our best system.

Grounded Light Timer, heavy duty, 15 Amp (Reg. \$20) **\$14.50**

LIGHT MOVERS: More light coverage to grow more plants.

Motorized Lite Track™ Double your light coverage. (Reg. \$99) **\$93.95**

Best single light mover; 6' track; covers up to 8'X10'. (EXTENDER for 2nd light \$38.95)

SunCircle2™ Increases flowering by blending MH&HPS (Reg. \$199) **\$187.95**

Two lights rotate continuously in full circle; coverage: 8'X8' up to 12'X12'.

SunCircle3™ Eliminates hot and dark spots (Reg. \$269) **\$245.00**

Three lights rotate continuously in full circle; coverage: 10'X10' up to 15'X15'.

HYDROPONICS: Our customers say their plant yields are three times greater and two times faster with Hamilton's automated "flood / drain" HYDROPRO system. Roots are provided maximum direct nutrition and aeration without soil. No soil pests, no soil odors, no weeding!

HYDROPRO SINGLE™: Ideal for 4 adult plants; min 2'X2' area (Reg. \$84) **\$68.95**

Includes: pump, grow & bloom nutrients, timer, pH test kit, seed starter, instructions, etc.

HYDROPRO 4™: grow up to 16 adult plants; 3'X9' or 7'X7' area (Reg. \$199) **\$187.95**

Includes: submersible pump, grow & bloom nutrients, timer, pH test kit, Jiffy 7, manual, etc.



HPS BULBS That work in metal halide systems!

1000 Watt (Reg. \$140) **\$129.50** 400 Watt (Reg. \$70) **\$59.50**



CO₂ Enrichment System: Increases growth by 40% (Reg. \$160) **\$129.95**

Includes: Regulator, flow meter, solenoid valve, delivery tubes, manual.

INDOOR GARDENING BOOKLET

With any system purchased

ION GENERATORS: Clean growing area of smoke, odors, pollen & pollutants.

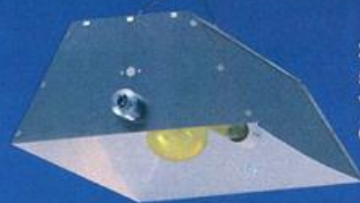
AirEase \$49.95 Pulsair \$96.50 Phase3 for max. odor elimination **\$119.00**

DIGITAL pH PEN: Instant accurate reading (Reg. \$97) **\$58.95**

DIGITAL Dissolved Solids (Conductivity) PEN (Reg. \$97) **\$58.95**

ROCKWOOL • GROW & BLOOM NUTRIENTS • MYLAR • BULBS •

TIMERS • BLOWERS • GROWING SUPPLIES, etc. Call for Price.



24" HORIZONTAL:

52% more light than 45"!!

Ventilated, adjustable, electro-white (24"X20"X10")



MAX-89 "THE ULTIMATE HORIZONTAL"

"DOUBLE ARC" for greatest efficiency, low profile, adjustable, electro-white

5% TO 40% DISCOUNT
on all regular prices



Mini-Horizontal
20"X10"X6"

48" PARABOLIC, Ventilated,
18% more light than 45" cone



Metal Halide



SunCircle2



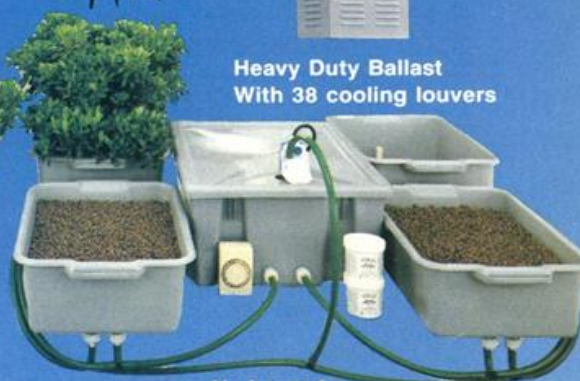
High Pressure Sodium



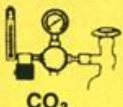
Heavy Duty Ballast
With 38 cooling louvers



HydroproSingle



Hydropro4



CO₂



AirEase



Pulsair

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ESU

Indoor Sun Chronicle

WINTER 1988

MAJOR BREAKTHROUGH IN CLONING TECHNOLOGY

Energy Savers Unlimited is proud to introduce GREAT ROOTS, the miracle liquid formula for rooting cuttings. There is nothing artificial or synthetic about GREAT ROOTS. Only naturally occurring hormones and vitamins with the greatest biological activity are used in the preparation. Compounds like indole-3-acetic acid, 6-r,r dimethylallylaminopurine, and a host of other ingredients including nucleotides, carbohydrates and amino acids, acting in concert to produce the most vigorous and luxuriant roots from your favorite cuttings by physiologically stimulating root primordia to differentiate into root cells. Most other formulations use synthetic hormones like naphthaleneacetic acid or 2,4-dichlorophenoxyacetic acid which do not occur naturally in plants, and besides, are not as effective in promoting the rooting of cuttings.

GREAT ROOTS is a liquid preparation and works best in combination with our GREENLEAVES Grow Juice. Together, they provide the full spectrum of hormones, vitamins and minerals for the accelerated initiation and proliferation of roots from cuttings. Because GREAT ROOTS is applied directly to the rooting medium, cross-contamination which can occur by dipping cuttings in powders is avoided. GREAT ROOTS has been around for quite a few years now, building an awesome reputation as the most effective rooting formula by a steadily increasing number of satisfied users. ESU felt it was time to give serious growers an opportunity to benefit from this superb product.

1 gal. 295.00 1 qt. 99.00 8 oz. 45.00 1 oz. 14.95

Comes with one, 12 oz. bottle of GREENLEAVES Grow Juice.

GREAT ROOTS is used only for the initial application. For subsequent feedings only 1 oz./gallon of GREENLEAVES Grow Juice is used.

GREENLEAVES CELEBRATES 10TH BIRTHDAY

GREENLEAVES Grow Juice (14-7-20, expressed wt/wt) was the first liquid hydroponic nutrient ever to be packaged in a single container. It has been around for so long because it is the most effective and incredible soil and hydroponic nutrient available anywhere. Sales have been doubling every year as more and more people become regular users. GREENLEAVES Grow Juice is carefully and painstakingly prepared by blending and aging dozens of ingredients at different pH and temperature conditions. Not even the most celebrated vintage wines are prepared so meticulously! The finished product is well worth the effort. It looks like liquid gold and performs even better. Besides containing all of the major, secondary and trace nutrients that are essential for plants, GREENLEAVES Grow Juice also contains a built-in pH monitor for easy visual assessment and correction of pH without the use of expensive pH meters or test kits. People drive over 1,000

miles to ESU to load up their trucks with 55 gallon drums and 5 gallon jugs of GREENLEAVES Grow Juice. Get some today and prove to yourself that there really is nothing better, or even half as good. Recommended dosage is one ounce per gallon.

5 gal. 85.00 1 gal. 19.95 1 qt. 8.95 12 oz. 3.95

ESU HAS MADE IT POSSIBLE TO GROW MORE BUDS

GREENLEAVES Budding Juice (12-40-24, expressed wt/wt). Made with the superb GREENLEAVES Grow Juice, but loaded with extra phosphate and potassium. And to increase budding efficiency, extra trace elements and special budding hormones have also been added. The formula should be used during the budding stage to unlock the full budding potential of plants. Your plants will bud like you never dreamed was possible. Recommended dosage is one ounce per gallon.

5 gal. 99.00 1 gal. 24.95 1 qt. 9.95 12 oz. 5.95

pH PROBLEM WITH ROCKWOOL SOLVED

Because rockwool is naturally alkaline, it tends to raise the pH of nutrient solutions in hydroponic systems. Addition of sulfuric or phosphoric acid corrects the problem, but only temporarily. Influenced by rockwool, the pH again starts to climb rapidly. ESU has solved the frustrating problem of fluctuating pH by developing a specially buffered pH reducer which resists pH changes for prolonged periods. ESU has prepared separate pH reducers for the grow and bloom cycles so as not to disturb the delicate nitrogen and phosphorus-potassium balance during the critical stages. These pH reducers work great with all hydroponic systems.

ESU pH Reducer—Grow Cycle

5 gal. 85.00 1 gal. 19.95 1 qt. 8.95 8 oz. 3.95

ESU pH Reducer—Bloom Cycle

5 gal. 85.00 1 gal. 19.95 1 qt. 8.95 8 oz. 3.95

ESU DEVELOPS VITAMIN AND HORMONE BASED ENERGY BOOSTER FOR PLANTS

Plant scientists at ESU are continually coming up with brilliant applications for well established scientific principles. Take for example, the ESU PLANT STIMULANT. Used once or twice a week during the grow and budding cycles, the PLANT STIMULANT provides plants with essential hormones and vitamins to efficiently utilize the high light intensities and increased carbon dioxide levels used by expert growers. Try this product for amazing results. Recommended dosage is one ounce per gallon.

5 gal. 85.00 1 gal. 19.95 1 qt. 8.95 8 oz. 3.95

ESU TO MARKET INEXPENSIVE HYDROPONIC UNITS THAT CAN GROW PLANTS UP TO TWELVE FEET AND TALLER!!

Finally, someone has developed a hydroponic unit that is inexpensive, efficient and unbelievably easy to use. Based on the time-tested wicking principle, the

hydroponic units developed by ESU utilize a vermiculite/perlite growing medium which provides excellent capillary action and aeration. The hydroponic units can be used individually or interconnected and fed through a common nutrient tank. By using flexible tubing to form interconnections, it is possible to have a variety of configurations to maximize space and light utilization. The unit comes complete so that it is ready to use. ESU also throws in a 12 oz. bottle of GREENLEAVES Grow Juice so you can get all the benefits of the best hydroponic system available.

1 hydroponic unit	29.95
4 units	99.00
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LETTERS

Send your gripes, questions, personal thoughts, and occasional compliments to: HIGH TIMES "Letters," 211 East 43rd Street, NYC 10017. Unless otherwise indicated, proper names are printed with initials only to protect the innocent, so sign your favorite pseudonym. And use a phony return address.

SEED CATALOGS SEIZED!

I ordered a marijuana seed catalog from Holland out of your mag, and received a note from customs saying "the article inside the envelope was found to be in violation of 21 USC 881 (a) (5) and 21 USC 841 (a) (1)." What does it mean? Will I be questioned? Could any charges be filed against me?

—T.J.
Upstate, SC

Customs often seizes cannabis seed catalogs. Such catalogs are not illegal, and it is possible to file charges against customs for seizing them. Also, keep in mind that while the seed catalogs are legal, it is illegal to order cannabis seeds. Be careful.

GROW ORGANIC

I demand that you start giving equal time to us growers of pure, clean, organically grown pot. The constant attention given to the subject of hydroponics is really stupid. The taste of chemically grown weed is shit. Indoor growers are weak, wimpy chicken shits.

—Grow Organic
Cleveland, OH

It is possible to grow organically and hydroponically at the same time (using fish wastes in place of bat guano). The reason we don't publish more articles about organic growing is because few organic growers send us stories.

BETEL NUT

In your October '88 issue, I read an article by John Mood about Indonesia. He mentioned some stores where one

could obtain betel nut. I would be interested in obtaining their addresses.

—B.R.
Escondido, CA

Betel nut can be ordered through a classified ad on page 78 under "growing aids."

RAINBOW DATES

A letter in the October issue asked about the Rainbow Gatherings. The 1989 Rainbow Gathering of the Tribes will take place in the State of Nevada. The Family usually never knows the exact location until just before the July 1-7th happening. In recent years, the Feds have tried their utmost to shut down this constitutionally protected get-together of freedom loving peoples. The people always gather anyway. Disregard any notice of cancellation. Bring your love and support to Nevada next year.

—Jumper Jim
Spokane, WA

SYNTHETIC THC

In your November '88 issue there was a plea to remove marijuana from the current Schedule 1 status to the less restrictive Schedule 2 classification (News Flash, page 19). In fact, Delta 9 Tetrahydrocannabinol (THC) is under Schedule 2 guidelines. It is marketed under the brand name Marinol, generically Dronabinol, and distributed by Roxane. Marinol comes in strengths of 2.5, 5, and 10 milligrams. It is interesting to note the Physicians Desk Reference warns that Marinol "may be habit forming." Please set the record straight.

—F.S.
Baltimore, MD



While Marinol may be under Schedule 2, cannabis is not. The article simply stated that cannabis should be moved to Schedule 2. It is much easier and cheaper to obtain the medical benefits of cannabis directly from the plant, rather than from an expensive, synthetic version of THC.

NO VIOLENCE

I'm writing in response to all the letters you received about the cover of the August '88 issue. I don't think you did anything wrong by printing it. HIGH TIMES is based on freedom. It stands out to all us organic lovers and our right to use marijuana. There's also a freedom called "the right to bear arms." There was no violence on the cover. Guns aren't offensive, it's what people do with them.

—Misty
Phoenix, AZ

COCA TEA

When used in beverage form, as caffeine is, cocaine is quite harmless. Cocaine prohibition merely switched cocaine use from harmless and healthy coca beverages to the troublesome and dangerous white powder concentrates. As the only national magazine for the illegal drug user, you ought not be so silent on the cocaine issue. The civil rights of cocaine users are being violated. Oral cocaine in the form of coca leaf beverages were introduced to this country by Angelo Mariani. They were sold for fifty years and consumed by tens of millions until the enactment of the Harrison Act. Considering that last December 17th is the 150th anniversary of the birthday of Mariani, I feel it would be appropriate to see an article on coca in HIGH TIMES.

—An Intellectual Head
New York, NY ●

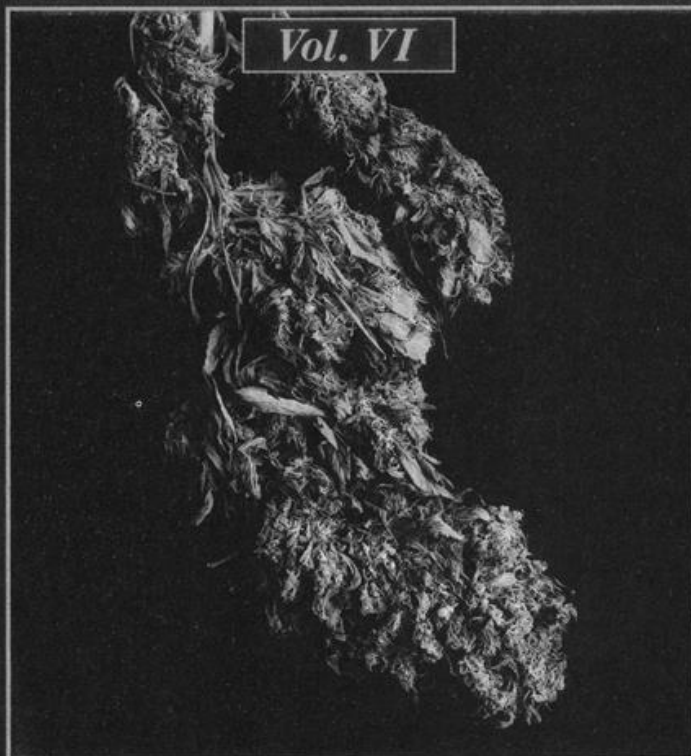
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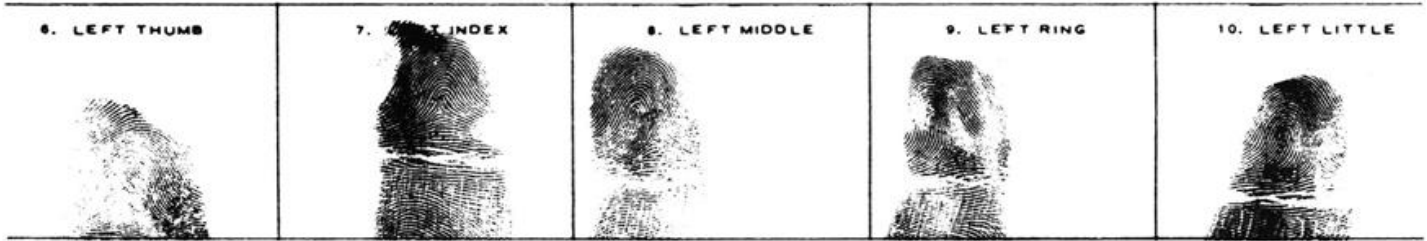
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W A N T E D



An arrest for marijuana can be a devastating experience, not just for the victim, but for the family and friends as well.

Even those who don't go to jail can face an arrest record, probation, urine testing, property confiscation and the humiliation and shame associated with a trip through our criminal justice system.

Unfortunately, people **ARE** going to jail for marijuana. And the numbers are increasing. A community social worker in Texas was just sentenced to 60 days in jail and fined \$1500 for possession of 2/10th's of a gram of marijuana. It was her first offense.

These people need our support.

NORML provides legal referrals and assistance, credible information about marijuana and the reassurance of moral support. We need your help!

If you or someone in your family has been arrested for marijuana, please write us about your experience.

If you or someone in your family has submitted to a random urine test and lost their job due to an inaccurate result, please write us about your experience.

If you have not yet been arrested or urine tested for marijuana, please help us help the victims while we work together to prevent it from happening to you!

Please send a generous donation or join NORML today!



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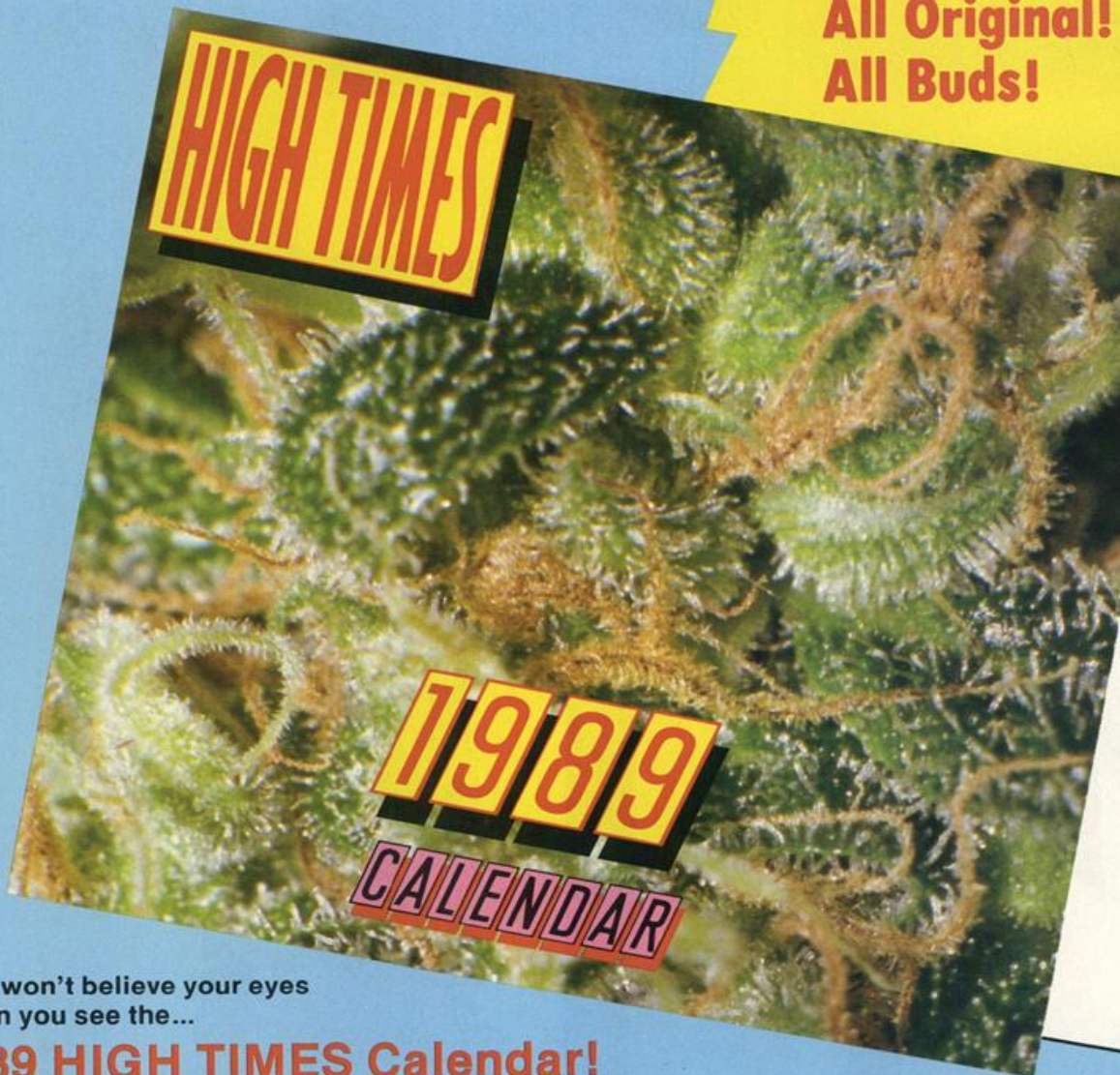
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FEB. '89 HIGHWITNESS NEWS NO. 162

THE DOPE ON DANNY QUAYLE

by Dennis Bernstein and Norman Solomon

Four days before J. Danforth Quayle was elected to the second highest office in the United States, a convict named Brett Kimberlin stepped forward and accused Quayle of purchasing pot from him "anywhere from 15 to 20" times during an 18-month period from 1971-73. The story broke in the *El Reno Daily Tribune* in El Reno, Oklahoma. Kimberlin is currently serving a 50-year sentence for smuggling marijuana and committing several bombings in Indianapolis. He has been jailed in

BK: Bloomington, Indiana.

DB: Whose party was it?

BK: It was a frat party.

DB: Was marijuana smoked at this party?

BK: Yes.

DB: How did you meet Quayle to sell him the marijuana?

BK: He found that I had marijuana available at the time and it was good quality, so he asked me if I had any for sale and I said, "Yeah, but I live in Indianapo-

DB: About how many times did you do this with him?

BK: Anywhere from 15 to 20 [times].

DB: What were you doing at the time?

BK: I was just graduating from high school when I met him. I was about 17 years old. I was selling pot to other Indiana University students—matter of fact I was arrested in 1972 for selling drugs to another I.U. student.

DB: Is this the first time you have ever talked about this?

BK: Oh no, I've told people for the last 15 or 20 years. My sister's one. I told her back in 1976 when Danny first started running for Congress.

DB: Are there any other details regarding the selling of marijuana to Quayle?

BK: Well, I gave him a wedding present. He and Marilyn got married in 1972 and I gave him a wedding present of some Afghanistan hashish and some Acapulco Gold. He was very appreciative. But Dan Quayle has made categorical denials that he's never seen pot, never smoked pot, never went to a party where pot was smoked and never known anybody who smoked pot [laughs].

DB: How are you sure that it's the same Dan Quayle?

BK: Well, Dan Quayle is a very unique name, for one. For two, he was going to the Indiana University law school at the time. For three, he got married to Marilyn in 1972. For four, I'm very good with faces. I mean, there's no doubt about it! I

I gave him a wedding present of Afghanistan hash and Acapulco Gold. He was very appreciative.

the El Reno Federal Correctional Institution for the last 10 years.

When the story appeared on November 4, the news media descended on El Reno. A press conference with Kimberlin was scheduled for 7 p.m. that evening, but was never held. Kimberlin subsequently was banished twice to solitary confinement.

With the election so near, the Bureau of Prisons (BOP), an arm of the Justice Department, interceded. "We do not do press conferences for inmates," said BOP spokeswoman Kathryn Johnson. According to a report in the *Daily Oklahoman* in Oklahoma City, the order to cancel the conference came from BOP director Mike Quinlan.

Kimberlin spent 24 hours in solitary from November 4 to November 5. On November 6, he returned a call placed by Dennis Bernstein, the executive producer of "Undercurrents," a news program aired by WBAI-FM in New York. Part of that interview follows.

DB: When did you first meet Dan Quayle?

BK: In 1971 at a party at Indiana University. We struck up a relationship that lasted for about 18 months. I sold him small quantities of marijuana for his personal use about once a month during that period. He was a good customer. He was a friend of mine. He always paid in cash. He was cautious, except for one time when he brought a girl with him.

DB: Where was this party that you met him at?

lis," which is about 60-70 miles north of Bloomington, and he said, "Oh, that's no big deal." I thought he was kind of strange. He looked kind of straight anyway. I thought he might be a narc at first. I mean, why would he want to drive 60 miles for an ounce of pot? That's what went through my mind. But we talked and I felt a little more comfortable and finally I gave him my phone number. I assumed he was going to school in Bloomington, but I found out later he was going to law school in Indianapolis. He called me a couple of months later—said, "Hey, this is DQ. Can we get together?" I said, "Yeah. Meet me at the Burger Chef restaurant," which was pretty close to my home.

DB: You said he came with a woman once. Do you remember who this woman

"Hey, this is DQ. Can we get together?" I said, "Yeah, meet me at the Burger Chef restaurant." We went to the restroom in the back and did the transaction.

was?

BK: No. I was in the Burger Chef waiting for him and he drove up with the girl. I said, "Look, I don't want any witnesses. Who's the broad?" He said, "You don't have to meet her"—something like that. I said, "I don't want to meet her. Why don't we do this transaction in the restaurant?" So we went to the restroom in the back and did the transaction there. He didn't bring any girls from then on.

lived right there in Indianapolis—he went to school down the street from me, within a couple of miles. One of the reasons that people should believe me is because this can't help me—it can only hurt me. Like getting thrown in solitary and getting harassed. They could transfer me to other prisons, they could deny me parole, they could deny my motion to reduce my sentence. Anything could happen, you know? ●

LEGAL NEEDLES: SWAP PROGRAM HITS NEW YORK

by Maura Less

AIDS doesn't make many headlines anymore. It's old news. Since *HIGH TIMES* last examined the crisis (May '88 issue) several thousand people have died and a multitude more new cases have been reported. The AIDS epidemic is centered in New York and San Francisco and its history in those cities is a study in contrasts.

San Francisco is the only city in the United States to effectively deal with the outbreak among intravenous drug users (IVDUs). Its Mid-City Consortium to Combat AIDS was the first program in America to confront addicts' behavior regarding needle hygiene. Mid-City dispenses information about safer drug and sex habits as well as bleach to clean needles with, so that they may be safely shared. Cleaning a needle takes just seconds; by rinsing it twice with bleach and then water it's made safe to use more than once. This information is readily available and accessible. Mid-City does not put any surveillance on users nor does it demand compliance.

New York, until recently, was doing just the opposite. Since 1986 the debate over how to and even whether to treat IVDUs has been highly polarized and extremely political. And while the politicians argued, thousands died and many more became carriers of the virus.

Last November, New York began a pilot program for IVDUs. Rather than having addicts clean illegally obtained needles (New York is one of 11 states where possession of a hypodermic instrument is a crime), the program gives them sterile needles and the chance to exchange them for new ones free of charge.

When this idea was first proposed, almost all of New York officials opposed it, including the mayor and the governor. Only City Health Commissioner Stephen Joseph favored the program. In the meantime, ADAPT (Association for Drug Abuse Prevention and Treatment), a group of recovering addicts, took matters into their own hands: They went to shooting galleries and handed out bleach.

Last May, ADAPT threatened to hand out clean needles. The group had concluded that it could not inform enough addicts about bleach, and that needle exchange or giveaway was a better solution to the problem. New York responded by reversing its official stand against exchanges and giveaways. The pilot program was proposed.

The program is well-intentioned. Billed as an experiment, it has a plan-

ned enrollment of 400 addicts—half will actually receive needles and the other half will just get counseling. To get into the program the addict must have a letter proving that he has been turned away from a rehabilitation program or treatment center (in- or out-patient) due to lack of space. Since most of New York's rehab programs have at least a six-month waiting list, this requirement is not that hard to meet.

But the program has its problems. Accessibility, for one. There is only one location where addicts can go to get the needles. Says Dr. John Waters, director of San Francisco's program: "For needle exchanges to work, addicts must have to go through little or no more trouble than when they were obtaining needles illegally."

Another problem is the size of the sample. Intended to serve as an ex-

change for 200 addicts—out of the estimated 200,000 IVDUs in New York City—only 12 had applied at press-time. "Even 200 addicts is too small," admits Sam Friedman, the program's designer, "to research the project's original purpose of determining if needle exchange is a positive factor in stopping the spread of AIDS." Even with this modest sampling, Friedman is hoping to find out whether or not "needle exchange gets people into treatment and helps reduce needle-sharing behavior." The program will run from six to nine months and then be evaluated.

But due to lack of government funding, support or concern for IVDUs, many more deaths will occur. How many will die while New York analyzes its limited needle-exchange experiment? A program for 400 addicts may be a start, but it's just not enough. ●

A FIELD GUIDE TO NORTH AMERICAN CONSERVATIVES BY JOE BARTOS



The Right-Wing Loony

loco cultus

Right-Wing Loonies gather in small flocks to rid America of the Anti-Christ forces of Jews, Blacks and sales clerks who refuse to honor Hitler Youth discount coupons. The typical Loony is an acne-ridden geek or muscle-bound half-wit who collects weapons and Nazi memorabilia as an alternative to normal interaction with other human beings.

When they aren't involved in overthrowing American society, Loonies are out on street corners and in airports recruiting fellow social outcasts stupid enough to believe their theories. Their ultimate goal is to start WW III and establish an independent all-white nation where madmen can live with pride and dignity.

ONE MAN'S DOPPE

A JAB AT THE CRACK PLAGUE

By Dean Latimer

The new money going into drug treatment this year is finding some interesting new venues.

Readers of the *New York Times*' "B" section on a typically ugly weekend in the everlasting crack plague last autumn may have been impressed with the photo decorating that weekend's routine crack story: the back of the head of a large young black man, both ears bristling with acupuncture quills, and a burly bearded professor-type in the middle distance, exhibiting this recovering crack casualty and his therapy to State Senators Roy Goodman and Guy Velella in a government hearing room off City Hall Park in lower Manhattan.

"I'm a welder," was the first thing the first acupunctured witness had told the legislators. Then he'd very briefly described his years on crack—"during which I was unemployable"—incinerating \$400 of it every single day since his first taste of it in 1985. "I was high when I came into the clinic" for his very first acupuncture treatment, he testified, with quills in his ears. "I felt a chill, a big chill, and then all the tension drained straight out of my body." Ten days later he was well enough to go job-seeking. "Now I am back at my trade as a welder. I have no craving, because of the daily acupuncture. I know if I go

back to crack, I'll lose my job and everything else of value as a human being." End of memorized statement, obviously, delivered succinctly and with terrific dignity.

Senator Velella sounded a little dubious about this radical new drug-treatment modality, which is only as old as shamanism. "Does it work that well every single time, Doctor? One treatment and the addict feels all better?"

"When you've got a fellow, Senator," replied Dr. Michael Smith of the Lincoln Hospital acupuncture-detoxification clinic in the South Bronx, "with a gun in his pocket, and he's looking for methadone, and you say to him 'No, wait, we'll do this instead'—you'd better be good."

The Commissioner of the New York City Department of Probation is the Hon. Kevin T. Smyley, who was the next witness after Dr. Smith to speak at that hearing of the Senate Subcommittee on Government Operations. Smyley covets Dr. Smith's proficiency with his magic needles. "I could use it right now, for this headache," he confesses a few days afterward in his soft-lit, quiet little office off Foley Square. "It's supposed to be the perfect thing for stress."

Headache or not, Commissioner Smyley is not counterfeiting his fascination with acupuncture and drug-



abuse treatment and research.

"Acupuncture appears to be an excellent modality for stabilizing the cocaine addict," he declares in flawless substance-abuse tech talk. "We've got to investigate it!" he exults almost boyishly. The Commissioner is a slender young intellectual who keeps his sister's hardbound PhD thesis on Senegalese women novelists tucked into his office rack of lawbooks, and the City and State have just promised him \$8.5 million with which he may investigate the nature and treatment of narcotics addiction. Headache or not, Smyley literally can't sit still.

"There'll be a dual purpose to the new expanded program," he pledges firmly: "to enhance the safety of the public and to enhance our services to individual probationers by conducting a better surveillance program with a therapeutic theme."

City Probation has 54,000 people on its case lists on an average day, and Smyley expects to start urinalyzing every one of them with this new money. The idea is to identify those probationers who are into taking drugs, zero in on the ones whose drug-taking is a problem for themselves and their communities, and get them into treatment. "It'll be up to the discretion of the individual probation officer," he declares. "A person who's doing well, in the officer's opinion, headed in a positive direction, might pull repeated positives and get nothing more adverse than a warning. While for another individual, if the officer believes that any involvement at all in drugs renders this particular person a danger to the community, he might be violated after a single opiate or cocaine positive."

Another purpose of piss-testing probationers is to furnish them with a solid, unchallengeable excuse to 'Just Say No' to their neighborhood dope dealers while they're on probation. One criticism of this notion, which has been put forth by a 20-year veteran researcher from the State's Department of Substance Abuse Services (DSAS), maintains that the peer pressure to take drugs in many probationers' communities is so overwhelming that, for them, it negates the remote chance of getting caught by urinalysis. Smyley



BERNADETTE TOUZAN

AN EAR IN HAND: N.Y. State Senators Roy Goodman (right) and Guy Velella (second to right) warm up to Dr. Michael Smith's (left) acupuncture pitch.

thinks about this for a minute and then smiles almost cruelly: "That chance is not nearly so remote any more. It was remote in the past, because our probation officers didn't have any way of knowing if these individuals have drugs in their systems. But now everyone's on notice. If they submit to that peer pressure, there will be consequences." Here's a man who enjoys his work.

Another DSAS objection to Smyley's proposals involves, predictably, the exceedingly limited number of conventional drug-treatment slots DSAS can realistically expect to furnish to his drug-troubled probationers, considering the chronically scanty State drug-treatment appropriations. "As a matter of fact," Smyley counters, "the Justice Department in Washington is interested in helping us fund a systematic efficacy and cost-effectiveness study of acupuncture detoxification for cocaine and heroin addicts, contrasting it with the three traditional treatment modalities: stepdown detoxification, clinic-outpatient treatment and residential therapeutic communities." Since acupuncture costs about \$15 a treatment, and therapeutic communities run to several hundred dollars per day per slot, the cost part of this cost-effectiveness study should be something to greatly impress the likes of Senator Velella, chairman of the New York State Senate Committee on Alcoholism and Drug Abuse.

In fact, back in that hearing room off City Hall Park in the midst of the never-ending crack plague last autumn, Senator Goodman of the influential Senate Finance Committee was absolutely spellbound by the subject of acupuncture detoxification—after barely ten minutes of Dr. Smith's exquisitely soft-voiced, lucid presentation and effortlessly dramatic body dynamics. "This is Shen Men, the Gate of the Spirit," Smith was showing Goodman, pressing in a quill up near the crest of that large young black man's earlobe. "It's a subtle one. I have to wait until I feel a tingling in my fingertips. . . ."

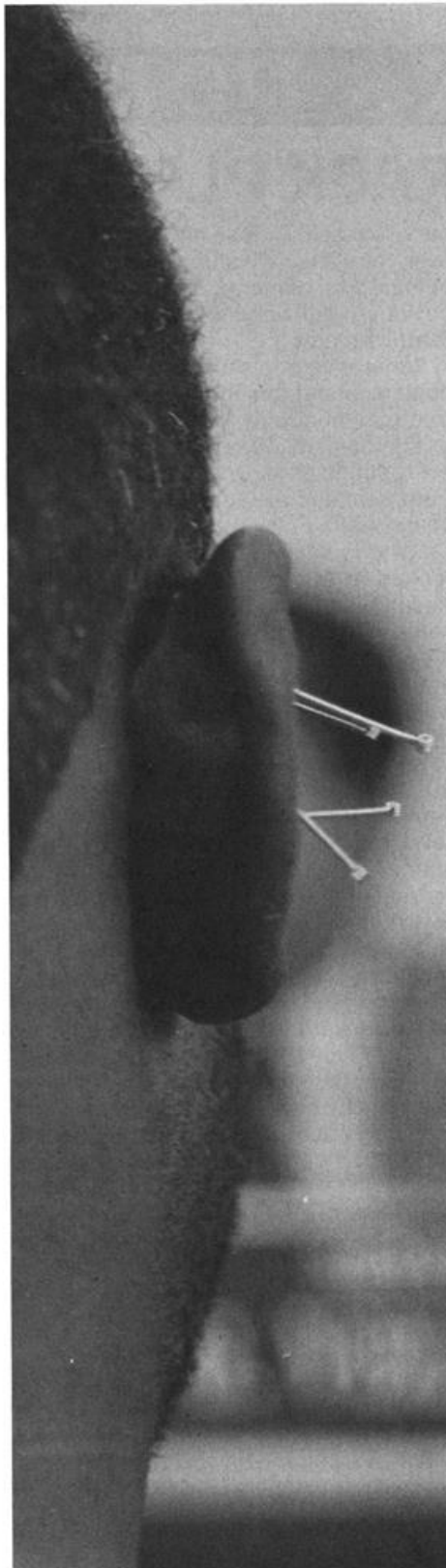
"You feel a tingle in your fingers?" Goodman asked, flabbergasted.

"Yes, if I do it just right."

"Do you think I would feel a tingle in my fingers, if I touched it?" Senator Goodman is gaffed and netted, from the looks of it.

"You might," allows Dr. Smith. "Here, why don't you try touching it right here. . . ."

The photographers scramble as Senator Goodman leans over the panel partition, his long slim fingers clasped in the knobby paw of Dr. Smith, and for the first and last and only time in his life touches a dope addict. "I don't know. The needle does feel a little warmer than you'd expect. . . ."



BERNADETTE TOUZAN

Snap, whirr. Snap, whirr.

"You have to learn how to recognize the tingle." Snap, whirr. Snap, whirr.

"I wonder. . . ." Goodman looks thoughtfully up into the noontide sunlight falling in from behind the delighted photographers: "Maybe if you put a needle in my ear. . . ."

Gaffed and netted, filleted and sauteed, ready for the oregano and almonds, from the looks of it. This could all get very interesting indeed. ●

PEACEFUL DRUG REFORM DISCUSSED

The third weekend in October saw 250 members of the loyal opposition to the "War on Drugs" gather at the Hyatt Regency in Bethesda, Maryland for the Drug Policy Foundation's International Conference on Drug Policy Reform. The conference's theme was "Practical Models of Peaceful Drug Policy Reform."

The conference began with a report on the state of the Foundation by Dr. Arnold Trebach, the Foundation's president. Rep. James Scheuer (D-New York) gave a report on drug legislation in Congress and Princeton professor Ethan Nadelmann summarized the case for legalization. The highlight of the conference was a speech by Mayor Kurt Schmoke of Baltimore about the debate on drug policy reform. The remainder of the conference featured such workshops as "The Drug War and the Law," "The Ebb and Flow of Marijuana Law Reform," and "The Dutch Approach: How Does it Really Work? What Can Others Learn From It?"

—Douglas Greene

MEDICAL MARIJUANA ON HOLD

The Drug Enforcement Administration is currently standing in the way of one of the biggest breakthroughs regarding marijuana legalization. Though the DEA's chief administrative law judge Francis Young recommended in September that pot be legalized for treatment of multiple sclerosis and nausea suffered by cancer patients undergoing chemotherapy, the DEA issued a 75-page document in November recounting the standard government exceptions to medical-marijuana usage. A finding by the DEA's Administrator John Lawn is expected sometime this year.

At issue is changing marijuana's status from a Schedule I drug (heroin, PCP, LSD) to a Schedule II drug "so that it can be employed in treatment by physicians in proper cases," Judge Young concluded.

"The case is an overwhelmingly powerful one," says NORML's lawyer Kevin Zeese. "Unless you have a closed mind and ignore the inescapable evidence, you can't help but reach this conclusion."

The 16-year-old case will be reviewed by Lawn, who Zeese expects will agree with the DEA's exceptions. The next step would be for NORML to file suit with the Court of Appeals. "We're looking at at least another two years," Zeese estimates.

—SB

JON GETTMAN

N O R M L
NATIONAL DIRECTOR

N O R M L - I Z E R

Are We Having Fun Yet?



On November 18, 1988, President Reagan signed the "Anti-Drug Abuse Act of 1988," despite the urging of the *Wall Street Journal* that he pocket-veto the bill to preserve the imperial presidency.

The *Journal* was upset that civil-rights advocates had succeeded in watering down some of the more stringent provisions of the bi-annual congressional Drug Bill—including the "proposed reform of the exclusionary rule," which would have let police conduct illegal searches if they were acting in good faith, and the death penalty for drug kingpins who order murders. The *Journal's* favored policy is to build more prisons and throw every drug user in jail. Anything short of that is being too soft on drugs.

Despite the *Journal's* concern that the Drug Bill didn't go far enough in attacking the users of drugs, the "Anti-Drug Abuse Act of 1988" does contain new approaches to try and get the attention of drug users and deter them from taking illegal drugs. In fact, the bill asserts that it is now "the declared policy of the United States Government to create a Drug-Free America by 1995."

In its final form the bill is over 800 pages long. Although some of its key provisions have been well publicized, the bill orders the new drug czar to conduct a public relations campaign, within 90 days of his confirmation, to educate the public about the new penalties. They include: a \$10,000 fine for possession of small amounts of illegal drugs; loss of Federal

benefits for persons convicted in state courts of drug offenses; eviction from public housing of tenants who either possess illegal drugs or are visited by people possessing illegal drugs; and encouragement for private industry to expand the use of urine testing.

The \$10,000 fine would be levied on individuals in lieu of criminal charges, and would be a civil fine, similar to decriminalization fines in some states. However, the individual may request a hearing before an administrative law judge, and if needed, an appeal in a US District Court where guilt must be established beyond a reasonable doubt. Any individual previously convicted in state or Federal court of a drug offense would not be eligible for a fine and would receive criminal penalties instead—just as before.

The bill does not supersede decriminalization statutes or state laws, it merely provides local authorities with the option of referring possession cases to the Federal government or handling them directly. The prohibition against citing someone for the civil fine who has had a previous conviction is supposed to guard against defendants being prosecuted locally and, at the same time, receiving the \$10,000 fine. But some have argued that the law could be interpreted as only exempting multiple offenders, and that a first offender could suffer from both sanctions. We will see in the next few months how frequently this fine is utilized, and how selectively. There is speculation that US Attorneys are already grumbling that they have more important cases to pursue and try, rather than wasting their precious time litigating cases involving possession of small amounts of drugs. The law may also be unconstitutional, because it is contrary to U S legal doctrine to use civil penalties as a subterfuge for criminal punishment.

State courts are also empowered under this bill to deny Federal benefits to persons convicted of drug offenses. In this context, Federal benefits are defined to exclude retirement, welfare, social security, health, disability, veteran's benefits, public housing or other similar benefits for which payments or services are required for eligibility. Narcs and informants are exempt from this possible

FLICK FORD

NORM-LIZE R

penalty, and it, too, is of dubious constitutionality, because it gives state courts jurisdiction over Federal benefits. The President is directed to provide a report to Congress on how that delicate constitutional issue is going to be handled.

The last 20 years have produced ample evidence that increasing the penalties for drug-related offenses does not deter drug use or drug abuse (many examples of exceptions being made to whatever harsh measures are on the books). These new penalties are serious matters for whoever is successfully prosecuted under them, but are otherwise irrelevant to making progress in diminishing drug abuse in this country.

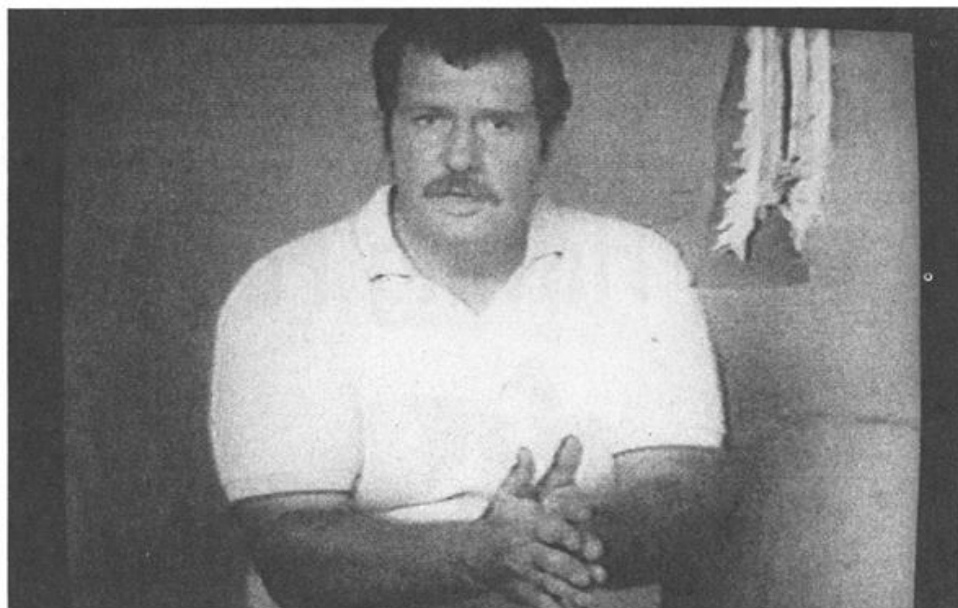
For example, before he signed the Drug Bill, President Reagan approved, on November 9, a special piece of legislation which allowed actor Michael Wilding a resident visa, despite a drug conviction in Wales 14 years ago. (As fans of John Lennon remember, it is U.S. policy to deny resident status to foreigners convicted of drug offenses.) Wilding, who appears on *The Guiding Light*, was convicted of possessing and cultivating marijuana. He's Elizabeth Taylor's son, and the special legislation Congress passed to give Wilding his visa was a courtesy to Senator John Warner, Taylor's ex-husband.

I applaud Reagan for his reasonableness towards Wilding. I just wish Nixon had applied the same understanding towards John Lennon, whose persecution was part of the "zero tolerance" policy of the Nixon administration, which believed that giving Lennon a resident visa sent the wrong message to America's youth. However, coming on the heels of the "Anti-Drug Abuse Act of 1988" and its objective of creating a drug-free America by increasing intolerance of drug use, the special privilege granted Wilding takes on greater significance.

When Congress considers drug users in the abstract, they have no qualms about submitting them to an ever-increasing policy of suppression. When Congress considers drug users as individuals, when drug users are identified as their family, staff, or friends, then Congress becomes compassionate and reasonable.

Rather than rant about this obvious hypocrisy we ought to learn from it. We must remind Congress that when it talks about drug users, it's talking about American citizens, about their constituents, about friends and family. We must work to humanize this issue so our Senators and Representatives will pass bills that do us—not just a celebrity's son—a few favors, too. ●

DUKE WHITE SPEAKS



Duke White is a member of the Ghost Clan of the Native American Church. To join the church, White explains, one must believe that "cannabis is an appropriate medicine for use in religious ceremonies and meditation." The Church, he says, is incorporated to "preserve and practice the faith of the Lipan, the Tepecano and the Rastafari."

On October 7, White and his wife, Diana, were busted. Four plants were found in White's house in Mesita, Colorado after the police were tipped off by two female hitchhikers who White let stay at his house the night before.

White ran as a write-in candidate for Sheriff of Costilla County in 1986. He lost to Pete Espinoza. Espinoza was one of ten officers on hand for the Whites' arrest. Below, Duke White tells what happened:

"I've gone through kind of a hard time this year—not just getting busted the past few days. In July, I found two partners of mine murdered down in New Mexico—in the mountains above Questa. They had several hundred large marijuana plants and they were both laying face down inside of a house attached

to a small greenhouse. The coroner said they'd been hit in the head and beaten to death. These were good partners. They were members of the Ghost Clan. It's a terrible thing what the marijuana laws do! People get killed because they're growing pot! Maybe somebody went to rip 'em off, maybe the cops did it; we don't know who did it because they haven't made any arrests. But this is undoubtedly not a unique story. It's the kind of thing that's happening all over the United States, and they're claiming that this is 'drug-related violence.' Sure, it's drug-related violence! The violence is that it's against the law to exercise your religious liberties. What we're doing now by sitting back—the marijuana people—we're gonna let them kill us, man. We had Ronald Reagan for eight years, now we've got Georgie Bush. What's gonna keep him from appointing Manuel Noriega as fucking Secretary of Defense?

"It's serious, man. When they busted me, they didn't just come to me and say, 'Duke White, we want to arrest you because we think you're growing mari-

MURDER IN THE MOUNTAINS

In this case, old news is bad news. On August 8, two growers were found murdered in Questa, New Mexico. The *Taos News* reported the deaths of Michael Riddle and Keith Landemeyer after having been informed by Duke White (see accompanying article), who went to visit his friends and discovered their bodies.

"I could smell what I thought was a septic tank," he told the *News*. "The dogs were skinny. The lawn was overgrown, which was unusual. Mike was real fastidious." White walked through an open door into the house and found

two badly decomposed bodies who he was able to identify as Riddle and Landemeyer. "I flipped out," White said.

A medical investigator, Dr. Chris Sperry, determined that both had been killed with blows to the head from a blunt object. One of the tires on Riddle's pickup truck had been slashed. But no plants were stolen. Approximately 200 were found in a greenhouse and outdoors near the house.

White described Riddle, who he had previously worked with as a security guard at a ski area, as someone "you wouldn't pick a fight with." Riddle, in his mid-30s, was a veteran who once guarded nuclear missile silos in West Germany. "He was bad," White said.

juana.' If they search my house with a warrant, fine. They take me to jail, I put up a bond, I get out, I go to trial and everything's the way it's supposed to be. Instead, they came into the house at three in the morning. They went into my 14-year-old daughter's bedroom—a male Colorado State Patrolman with a 12-gauge sawed-off shotgun—like somebody was going to spring out of the closet. He ordered her to get out of bed and refused to leave the room when she told him she wasn't dressed. My wife was hauled to jail too. They got both of us for growing pot—one plant downstairs and three little plants upstairs. They were clones into a rock wool mass and it was seeded—it was the Ghost Clan seed strain. They got one plant and a small seed-breeding thing!

"They dragged my wife out—they injured her going down to the jail in the car. It's freaky what they did to my family. They hauled off my 15-year-old son in handcuffs. When we got down to the jail, they refused to give my wife medical treatment. By seven in the morning, they called the ambulance. The ambulance said to transport her to the hospital, which is 52 miles away—the police wouldn't do it! My lawyer came at 11:30. They refused to let him in to see us. At 12 o'clock they finally took my wife to the hospital. The doctor said, 'Get her off her feet, put her on crutches, give her pain pills.' They wouldn't get her off her feet, they made her walk to the car, they refused to get her the pain pills and the crutches. And then they brought her back to jail, man.

"They took my kids away and put 'em in a welfare-foster home like I'm some sort of an unfit parent. It's bullshit! I'm sad because it happened to me, but it could happen to every one of you. I never thought this would happen to me. I thought that we lived in a more enlightened world than to have people come in at three o'clock with flak jackets and machine guns—10 police officers! This is what you think of happening in Argentina."

For more information about the Ghost Clan Church, send \$5 to: The Ghost Clan, P.O. Box 131, Mesita, CO. 81142. ●

"Whoever killed him must have been really bad." Landemeyer was in his late-20s.

According to Brian Welch of the *Taos News*, the case is still under investigation. "There have been no arrests, no suspects, no more information. The district attorney is reluctant to discuss it. It's a weird one—especially since there are not that many murders in Taos."

Two weeks later, New Mexico narcs busted a pot plantation, consisting of about 300 plants. More recently, in October, New Mexico and Federal narcs raided an Ecstasy laboratory in Taos, worth \$34 million. Five hundred pounds of powdered MDMA as well as 50,000 pills were confiscated. —SB

by Ed Rosenthal

OUTLAW NATION



PHASE TWO

AXIS IS BOLD; GERMANS, JAPS WIN

An acquaintance recently said to me, "It's a good thing that we won World War II. If we didn't, we'd all be forced to drive German cars and listen to Japanese sound equipment."

Axis production facilities were destroyed by the end of the war. But the two countries' ruined factories did not represent their wealth. Their main resource was the technological skills of their people. Just a short time after the war, both countries were again economically viable. Skilled, hard working labor forces built new factories using the latest technologies, putting the United States' older industrial plants at a disadvantage.

As a result of their surrender, the Axis powers' defense spending was limited to a small percentage of their gross national product (GNP). Freed from the burdens of military spending, both countries provided more social services for their citizens. In addition, more money was available for product research and development. Meanwhile, non-military research money in the US dried up.

The US preferred to squander its research dollars on military science. This produced some new products for industry, but hardly what would be available if the money had been spent directly on non-military projects. As a result, our industrial base has been totally distorted.

Now, many large American companies with significant research abilities are content to suck on the government's military teat rather than compete in the real world. Bell Labs, General Electric, Mo-

torola and Singer have all decided that government research is easier and more lucrative than high-end consumer research. In the process, they have let Sony, Casio, Mitsubishi and the other members of the Japanese consumer-electronics cartel take over the market.

Isn't it sad that RCA didn't develop the Walkman? Another group of companies, including General Dynamics and Lockheed, do nothing but sell products to the military. When Lockheed tried to compete in the competitive airliner market, it crashed.

Although the military market may seem lucrative, the worldwide consumer market is where the money is. After World War II, everything the US produced was golden. American cars, trucks, farm equipment and appliances, as well as our farm products, were sought after. The decline began as the US military technology companies drew the brightest minds into their orbit and out of consumer-products research. The rate of decline has grown geometrically each year, evidenced by this disturbing fact—there is virtually no high-end camera, audio, video or television manufacturing by American-owned companies in the US. Forget about the world markets, almost every American industry is fighting just to maintain its domestic market. Computer chips, textiles, clothing, ceramic tile, basic steel, machine tools, food and flowers are just a few industries threatened.

Don't blame the competition. The Japanese have no major resources. To make

continued on page 29

TRANS-HIGH MARKET QUOTATIONS



Vancouver, BC

Skunk #1 "good high; very skunky taste," **\$70 1/4-oz.**
Gold seal black hash "tastes good; short buzz, though," **\$15 gm; \$80 oz.**
Indica/skunk hybrid "cooks even the smallest particles of your brain," **\$90 1/4-oz; \$320 oz.**

Los Angeles, CA

Mexican "very sparse buds; many seeds; stems, stems, stems; okay high, though," **\$50 1/4-oz.**
Skunk "smells and tastes wonderful," **\$45 1/4-oz; \$400 1/4-lb.**
Ginseng Thai "from the Orient? I don't know!; good for couples; horny," **\$90 1/4-oz.**

LSD: TV screens, blue keys "good stuff, but watch out for the bunk junk," **\$5 a hit.**

Boulder, CO

Chocolate Thai "heavy, dopey, narcotic high," **\$60 1/4-oz; \$220 oz.**
Hash oil "locally made; creepy, stoney buzz," **\$35 gm.**
'Shrooms "delightful, colorful experience," **\$5 gm; \$35 1/4-oz; \$120 oz; \$1500 lb.**
LSD "very clean; I saved it for the shows at Red Rocks," **\$5 a hit.**

Denver, CO

Big Bud "the old standby," **\$60 1/4-oz; \$200 oz; \$2400 lb.**
Hash Plant "acrid and stoney," **\$60 1/4-oz; \$200 oz; \$2600 lb.**
Skunk #1 "especially kind—smells like

Fruit Loops!"

\$65 1/4-oz; \$220 oz; \$2800 lb.

Hawaiian "the real thing," **\$70 1/4-oz; \$280 oz.**

Nigerian "the finest smoke I've ever grown," **\$100 1/4-oz; \$300 oz.**

Pollypak "light and sweet," **\$60 1/4-oz; \$200 oz.**

Sanora super *sativa* "similar to pollypak but much bigger buds," **\$60 1/4-oz; \$200 oz; \$2600 lb.**
Durban/Thai high flyer "for the Asian connoisseur," **\$70 1/4-oz; \$240 oz.**
Seattle *indica* hybrid "large; dense; smelly," **\$60 1/4-oz; \$200 oz.**

Toronto, Ontario

Hawaiian boom weed "great for joints; working buzz," **\$45 1/4-oz; \$140 oz.**
Maui wowie "not too good," **\$40 1/4-oz; \$130 oz.**

Jamaican "rare, but a great high; all buds," **\$60 1/4-oz; \$110 1/2-oz.**
Colombian *sativa* "super trip-like high," **\$220 oz.**

Jamaican gold "one doob is enough," **\$70 1/4-oz.**

Afghan gold seal hash "it's everywhere; mellow high," **\$50-65 1/4-oz.**

Black hash "nothing special; seems to be cut," **\$10 gm; \$60 1/4-oz; \$220 oz; \$800 lb.**

'Shrooms "very low supply, very high demand; really blows you away," **\$50 1/4-oz; \$90 1/2-oz.**

LSD: purple, orange,

Send quotations to: THMQ, 211 E. 43rd St., New York, NY 10017. THMQ is intended solely for informational purposes. All entries should be typed or neatly written: If you are unable to compose a legible entry after testing your samples, please wait until you have control of your penmanship before sending us your information. Marijuana is listed by 1/4-ounce, ounce and pound prices only. Don't bother sending prices for hard drugs. Prices in this issue are current as of November 18th, 1988.

Dear Readers: Trans-High Market Quotations is NOT a mail-order service. Please DO NOT attempt to order items which appear in THMQ from the HIGH TIMES office. 'Cuz we DON'T sell 'em!

—Edie Barrett

strawberry "good trips," **\$5 a hit; \$20 for five.**

LSD: album covers "nice, but expensive and rare," **\$8 a hit.**

LSD: white clinicals "very pure," **\$4 a hit.**
LSD: glass head "practically a collector's item!" **\$10 a hit (if you can find it!).**

Corning, NY

Skunk #1 "locally grown; good high, but too expensive," **\$60 1/4-oz; \$230 oz.**

Brown shit weed "don't buy it," **\$30 1/4-oz; \$600 lb.**

LSD: blotter "Tom! Put you're face back on!; in-fucking-tense," **\$5 a hit; \$175 a sheet.**

Brown hash "great shit; gets you real high," **\$50 1/4-oz; \$180 oz.**

Green skunk shake "gets you dopey; can't go wrong for the price," **\$7 1/4-oz.**

'Shrooms "hard to find; fresh; great intense high," **\$50 1/4-oz; \$185 oz.**
Sinsemilla "real

shakey; lots of seeds; mellow high," **\$30 1/4-oz; \$100 oz.**

Mahopac, NY

Skunk buds "sticky; lime green; potent," **\$100 1/2-oz.**

Indoor grown Thai sticks "wheelchair weed to the utmost," **\$45 1/4-oz; \$90 1/2-oz; \$170 oz.**

Red-haired sinsemilla "always there; always decent," **\$50 1/4-oz; \$80 1/2-oz.**

Black and blond hash "black is the better buy," **\$10 gm; \$60 1/4-oz; \$100 1/2-oz.**

Cocaine "straight rocks," **\$60 gm.**

Homegrown commercial "two spliffs get you buzzed," **\$30 1/2-oz; \$50 oz.**

Mescaline: pink, orange, purple, navy blue, red star **\$5 for two; \$80 for 100.**

'Shrooms "haven't eaten a good one yet," **\$60 1/4-oz.**

LSD: camo blotter, white, TV screens, optical illusions, maroon, sugar cubes,

zodiacs, window pane, chill pill, gooney birds, zen, yin yangs **\$5-6 a hit.**

Watertown, NY

Skunk #1 "good taste and stone," **\$45 1/4-oz; \$150 oz.**

Green sinse "three-hit stone," **\$45 1/4-oz; \$135-140 oz.**

Utica, NY

Indoor Thai "great buzz; not much around," **\$50 1/4-oz; \$150 oz.**

Indoor Afghani #1 "stoned," **\$60 1/4-oz; \$225 oz.**

Local homegrown "shit weed; better buzz off parsley," **\$25 1/4-oz.**

Commercial brown "not bad as a last resort," **\$40 1/4-oz; \$110 oz.**

Green bud "nice high; bags aren't quite dry—watch the weight," **\$45 1/4-oz; \$140 oz.**

Blond hash "scarce around this area; nice change of pace, though," **\$8 gm.**

Brown hash "local bust in Catskills really fucked up the price," **\$12 gm.**

LSD "everywhere," **\$4-7 a hit.**

'Shrooms "beautiful buzz; biggest fuckers I ever saw!" **\$10 gm; \$170 oz.**

Charlotte, NC

Killer *indica* buds "green and purple; plenty around," **\$200 oz.**

NC mountain grown "no seeds; it's harvest time!" **\$110 oz.**

Blond hash "still hangin' around;

tasty!" **\$165 oz.**
'Shrooms "tiny caps; real strong; look hard," **\$125 oz.**
Liquid LSD **\$65 for 88 drops.**

LSD: blotter, globes, zodiacs, diamonds "it's everywhere," **\$2 a hit.**

Columbus, OH

Afghani "the highest quality; paralyzing; mind boggling; not recommended for novice tokers! 22% THC! (need I say more?)" **\$230 oz; \$3200 lb.**

Sativa "seedless; mind expanding; sweet taste," **\$100-170 oz; \$1600-2200 lb.**

Philadelphia, PA

'Shrooms "really floats your boat," **\$7-10 gm.**
Mexican buds "better than nothing, but not worth the price," **\$40 1/4-oz; \$140-160 oz.**

Sumter, SC

Sparkleberry swamp weed "big bags, small buds (should have picked them later, guys!); strong smell; good buzz," **\$35 1/4-oz; \$100 oz.**

Lizard man buds "few seeds; minty smell; orange hairs; better buzz," **\$40 1/4-oz; \$120 oz; \$300 1/4-lb.**

Brown dirt weed "take aspirin instead; seedy bags; poor weights; worse buzz," **\$25 1/4-oz; \$75 oz.**
LSD: striped blotter "definitely overpriced; whatever happened to good psychedelics?" **\$6 a hit.**

TRANS - HIGH MARKET LETTERS



CANADA

I'm sick of all the assholes who mix the legalization of marijuana with the legalization of coke, crack, heroin, etc. Most people who smoke pot don't want the other drugs, either. As for the marijuana issue, what gives legislators the right to smoke cigarettes or drink alcohol or coffee when I can't even have a toke? WHERE ARE MY RIGHTS?

By the way, I don't drink and I don't smoke cigarettes anymore. They both make me very sick.

—Rudy Roach
Winnipeg, Canada

COLORADO

I'm pissed off! Why doesn't everyone get off their asses and grow their own dope? In one 4' x 4' x 8' closet you can have a perpetual growth system. You can find lights and buckets around your house. The grow room will pay for itself with the money you save on black market shit dope. So remember that the next time you're looking at a \$30 quarter-ounce of shit dope, I'll be smoking mutant spliffs of nearly free 27th generation Afghani.

Grow indoors, smoke spliffs, and support NORML.

—Robert N. Mutant
Bigbasementbuds, CO

MISSOURI

Ya know, I was just sittin' back the other day, tokin' and jokin' with a few of my friends, reading HIGH TIMES, and we all agreed that yer mag makes us proud to be potsmokers!! A lot of posers in my town that smoke pot or used to won't admit it or try to hide it. If I'm browsing through the latest copy of HT in class and somebody asks me what I'm reading, I proudly take a stand and flash 'em a good peek at the Bud of the Month!

Fuck 'em if they don't like it. So here's to ya, HIGH TIMES! Keep up a job well done!

—Comfortably Numb
Hannibal, MO

NEW HAMPSHIRE

The question we should be asking leaders of our government is, "Do you drink and have you ever been drunk?" If the answer is "Yes" or "Occasionally," then we should ask them why. Their answer would probably go something like this—I drink to socialize, I have a drink with meals, I have a drink at the end of a hard day, I have a drink to unwind, etc...

We seem to have a morality problem here. Most members of our government think nothing of social drinking, yet they want to take the very life and soul away from me and countless others who wish to light up a joint in our own homes to socialize, to enjoy with a meal, to unwind, etc. I think everyone would agree that alcohol is far worse than pot. Yet politicians always seem to favor booze.

They say that pot leads to hard drugs. That is just like saying if you drink occasionally, you will become a drunk. It depends on the individual—some people that smoke pot will go on to harder drugs, the same way that some people who drink occasionally will go on to become drunks. That's the difference between use and abuse. The people that don't abuse pot or alcohol shouldn't be penalized because of the people that do.

If the government would just legalize pot and use the tax revenue to educate or rehabilitate problem drug abusers, they would have a system that works and pays for itself as well. Personally, I'd rather see my tax dollars go to help someone that needs treatment, food, or a home than have my tax dollars fuel a war on a relatively harmless drug.

I've been smoking reefer pretty steadily for 17 years. I have experimented with a lot of different drugs through the years, but all I do now is drink beer and smoke pot. I am a four-year veteran, devoted husband, and father of three. I have never been unemployed (except for a few weeks of my life); I own my own home, go to work every day, and am basically fed up with people who have chosen not to smoke pot saying that people who do are losers.

Thanks for listening to my opinion!

—L. G.
Portsmouth, NH

OHIO

There's no secret to growing excellent, potent herb. I've been a grower for 15 years and I always grow the organic way with natural sunlight.

I just dig about two dozen or so 12" x 12" holes out in my yard and fill them with compost and sheep manure sprinkled with lime and bone meal; then I plant my seeds. I grow about 10 pounds of excellent mature flowers every year. My herb is so good that my friends won't buy pot from anyone else but me, and my ounces go for \$40. The folks who charge \$200 an ounce should be deported. Period.

—Mickey
Out in OH

My friend Junior down in sunny Puerto Rico grows real fine, sweet marijuana. It is *really* excellent—probably the finest anyone could smoke.

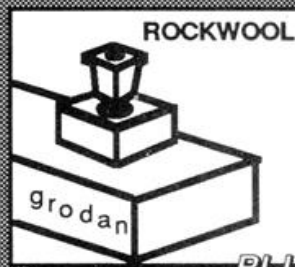
He says his seeds originally came from Panama in the early '70s. He grows out in the steep hills near his home. Junior just sows his seeds right in the grainy soil on a south-facing hillside. No boxes of seedlings for him! He says to us, "The marijuana, she no like to be transplanted at all." Junior never waters or fertilizes his plants, either, and they grow like fucking crazy in the moist, hot air of the hills.

He only visits his patch to pull a few males and harvest the females at season's end. After Junior cuts down his ripe plants, he lays them on the long, flat tin roof of his house to dry under the intense heat of the sun. Every day Junior turns the plants to make sure they dry evenly, until they're done. This usually takes one or two weeks, after which the flowers change into a reddish, bright gold color.

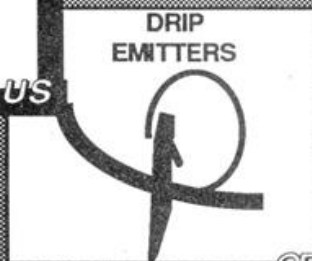
Junior then picks off each flower cluster by hand and inspects it for seeds pollinated by any late flowering males he might have missed. Then he collects all the healthy seeds and puts them in an airtight bottle.

When friends drop by, Junior always rolls up a few joints, most the size of a normal Bic lighter. I smuggled a few of these home once, and I turned a few friends on to them one night. One chick liked the herb so much she started to cry, just because it was so good.

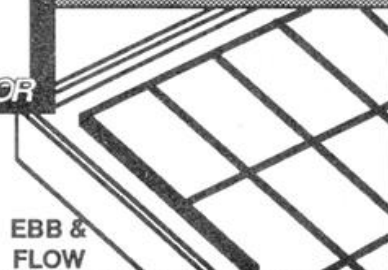
—Mr. Doodie Doo
Somewhere in OH



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April 19—*Hash Wednesday* on the Quad at the University of Illinois, Champaign-Urbana campus.

April 20—at either Western Illinois University in Macomb or Illinois State in Bloomington.

April 21—at Southern Illinois University in Carbondale.

April 22—at Buckingham Fountain in Grant Park in Chicago.

April 23—at the old statehouse in Springfield, Illinois. Rally will proceed to new statehouse.

For more information about the Illinois events, call the Marijuana Action Committee in Madison, Wisconsin: **608-257-KILO**.

Send info regarding rallies and events in your area to HIGH TIMES, c/o Highwitness News. Make sure you tell us four months in advance so we can give people adequate time to make plans to attend.

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This much we know: You recently moved to Batman's former residence in Gotham City (even though your postmark says you live in Hackensack, New Jersey). You send at least five letters stuffed with pertinent clips a week—with smile stickers glued to the envelope. If we had an award for Highwitness Newsboy of the Month you'd win hands down—but we don't. Maybe there's more you can do for us than stuff envelopes. Show your face, oh mysterious one. Or give us a call. And if not, then keep those cards and letters coming. Same goes for all you other Newsboys out there. One favor: Make sure each story is dated and notes the publication it was clipped from. Thanks again, home—ugh, newsboys.

OUTLAW NATION

continued from page 25

steel, they import coal and scrap iron or ore. Japanese millworkers earn the same wages as American workers. Yet the Japanese produce steel cheaper than American mills. The difference between an American and a Japanese car has little to do with the materials used to make it. Equivalent models have approximately the same amount of steel, glass and rubber. The difference is technology.

The Japanese keep their industry technologically advanced, using fewer workers but more robots and computers. When the big steel mills closed down in the Midwest, some of the machinery put to rest had been working for more than 70 years. Instead of reinvesting in plants, both labor and management sucked the cow dry. By taking extremely high dividends and wages, no money was left for reinvestment.

In order for the US to compete in the world market, we must remain ahead in the development of consumer products. We have been told that we do not have to make a choice between guns and butter. However, it is clear that we cannot support a superior educational system and non-military research at the same time we support the bloated military budget.

High technology manufacturing, which requires highly educated workers, cannot function in a society without a high level of social services. It's hard to teach a homeless or hungry child. In order to stem the decline in America's industry, the underclass (permanently impoverished people) have to be able to make the jump into the mainstream economy.

Throughout the early part of the twentieth century, American workers were considered well educated and eager participants in the industrial economy. Now, it is Western Europe and the Asian countries that boast educated and enthusiastic workforces.

The Russians face some of the same dilemmas. Modernization can't happen when the military budget takes such a large percentage of a country's GNP. Reagan reasoned that increasing the percentage of the GNP spent on the military would force the Russians to match our efforts and draw them to the peace table, but the planners did not foresee the devastation this policy would wreak on American industry. The military budget is already huge, yet Bush has plans to increase it!

By limiting the amount of total expenditures the losers could spend on their military, we made the Axis the winners of World War II. Outmanned, outgunned and outfought, they won the war with the stroke of a pen. ●

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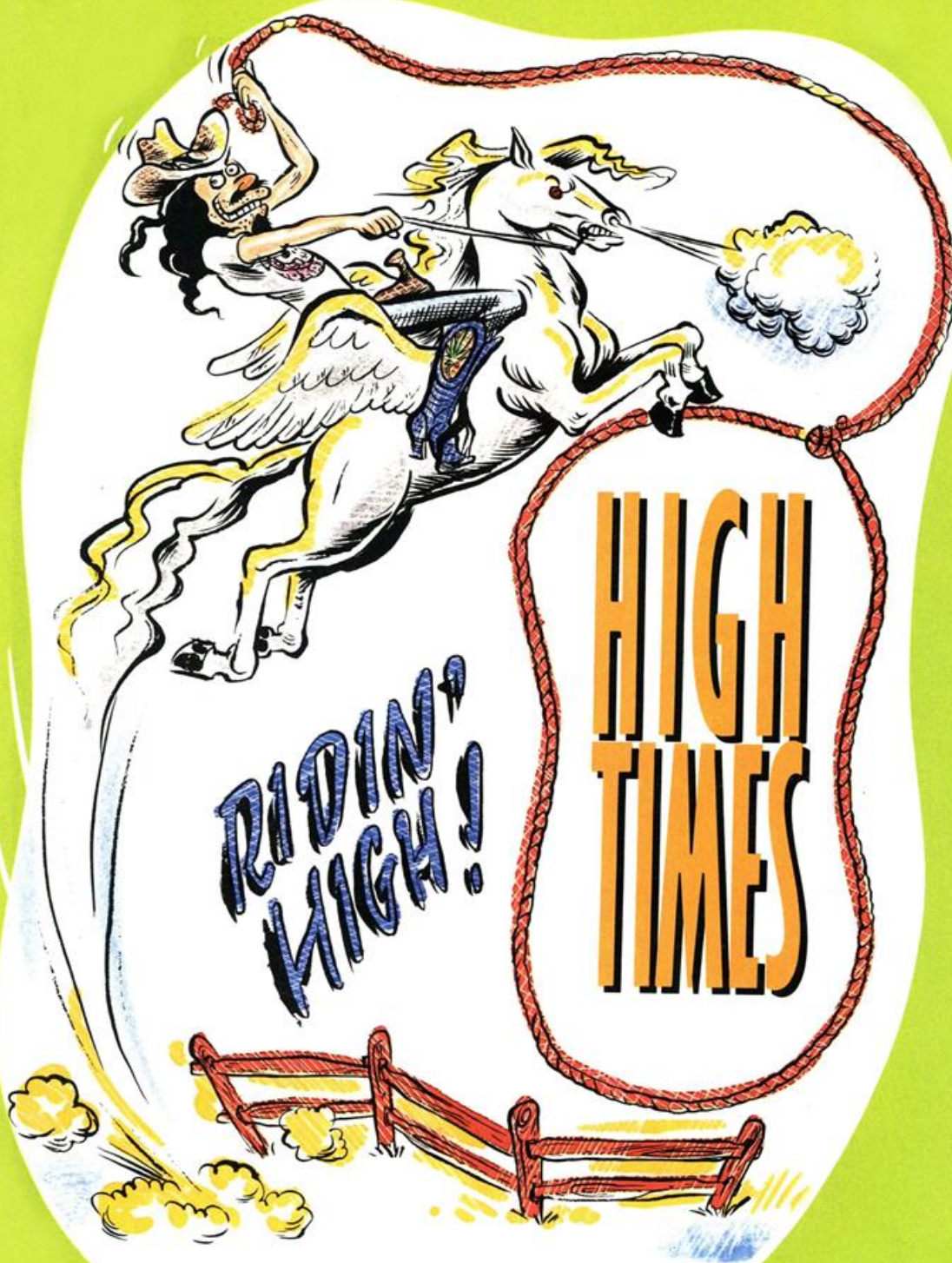
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Jerry Speaks!

An Exclusive Interview with Jerry Garcia of the Grateful Dead

by Legs McNeil

When the rainforests go, so will we. Forget about nuclear holocaust for a second. Imagine what the world will be like when ecological calamity hits—worldwide famine, a lack of oxygen, the complete disappearance of fresh water, and the Greenhouse Effect gone mad. This time, it won't be restricted to some natives in Africa. We're talking worldwide dustbowl. Valuable plant and animal species that produce substances that have potential as cures for cancer, AIDS, and other diseases will be gone forever as well.

The statistics are staggering—one hundred acres of the world's tropical rainforests, roughly the size of about 20 football fields, are destroyed every minute. Half of the tropical rainforests on this earth are already permanently destroyed. Scientists predict, at the rate of present destruction, all rainforests will be gone by the year 2050, just sixty years from today. Tropical rainforests are the richest, oldest, most productive, and most complex ecosystems on earth. While they comprise only two percent of the globe, they support an estimated five million plant, animal, and insect species, as well as many indigenous people who can survive nowhere else.

On Tuesday, September 13, 1988, Jerry Garcia, Bob Weir, and Mickey Hart from the Grateful Dead, as well as Dr. Jason Clay, the director of Cultural Survival, Peter Bahouth, the Chairman of Greenpeace USA, and Randall Hayes, the Director of the Rainforest Action Network, sat down at the panel in conference room four of the United Nations and alerted the world's press to the horror of the vanishing rainforest. When asked why the Grateful Dead was getting into the act and helping to publicize the plight of the rainforest, Jerry Garcia answered in his own inimitable style, "It seems pathetic that it has to be us, with all the other citizens of the planet, and all the other resources out there, but since no one else is doing anything about it, we don't really have any choice."

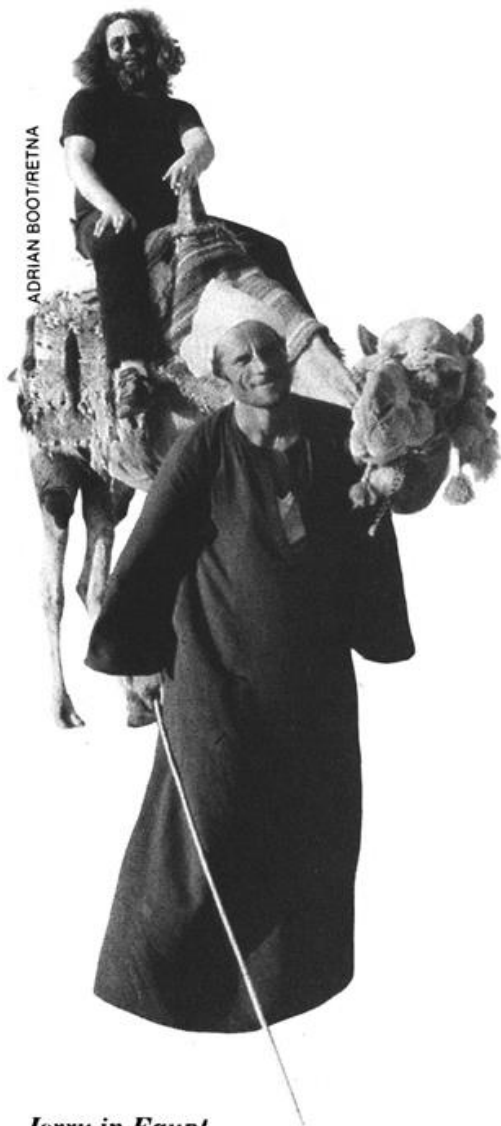
HIGH TIMES hooked up with Jerry back at his hotel room and asked him to elaborate on his role in speaking out in defense of the rainforest a few days before the Dead's benefit concert at Madison Square Garden in New York City.

HIGH TIMES: This is an overwhelming project you've got yourself involved in.
Jerry Garcia: Oh, man! It's taken up a lot of a year so far, and that's been mostly just understanding what it is. It started off with this French guy who wanted kind of an old world, seven continent mega-event, and he wanted to involve every major environmental agency in the world. He's a nice guy—very bright. He was at a party promoting this notion in San Francisco a little more than a year ago. Bobby was there, and Mickey, Randall from the Rainforest Action Network, and Jason from Cultural Survival. So what happened is what always happens at these kind of affairs—it takes a while to understand—environmental groups don't like each other. They're like Indians. They don't like each other. This group doesn't want to work with that one because these guys have their hands in this—these fuckers are over here with the big major corporations—so they don't work with each other or talk to each other a lot of times. So getting into these problems, or any kind of large-scale environmental problem, means you have to swim through the crowds.

With us, the whole notion of doing good is always a little suspicious anyway. We've been working on it for years and we've discovered certain things about it—like you have to follow the money to find out if it's actually doing any good. We've done it successfully before, because we mostly deal with real close-to-the-bone "give us a hundred bucks, we can open a few cans of beans" kind of grassroots, low-scale, direct-action stuff. No bureaucracy. They're not supporting secretaries—they don't have a lawyer. It's that kind of stuff we're used to working with, and that direct "When do you need it? Right now? Bam, there it is." That's the way we like to work. That's the way our foundation works—it deals with lots and lots of little things.



The Grateful Dead (l to r): Bob Weir, Jerry Garcia, Mickey Hart, Bill Kreutzman, Phil Lesh, Brent Mydland.



Jerry in Egypt.

So now we're looking to address a large idea. And so, Bob starts to talk me into it. The whole thing metamorphosed into finally getting the groups that were willing to work together—which turned out to be Greenpeace, the Rainforest Coalition, and the Indigenous Peoples. These guys are all pretty far out on the fringe. You know Greenpeace—they're the guys that go out there and nail themselves to a tree. That kind of direct action is what we're looking for. We want

"If we lose it, we're not going to get it back. It's definitely life-threatening, in the same sense that atomic bombs are life-threatening, only this one is mindless."

it to be as easy to understand as possible.

The rainforest problem seems so remote. It's like, there's no rainforest around here. Who's it bothering? It really is scary, because we started first hearing the bad news about this 20 years ago. They said, "We gotta do something about the rainforest. They're burning it down—they're tearing it up even as we talk." Now, here it is 20 years later, and sure enough, the rainforests are almost all gone now. Fifty years—they'll all be gone. That's it. Fifty years is not a long time anymore. That's in the life span of my kids.

HT: You've made the statement that you think it's pretty pathetic that you're the ones who have to do it.

JG: Yeah, it is. It's an alarming feeling. This is an earth problem—the whole earth. And who's left talking about it? Us.

Come on! We're not the ones. We're not qualified to do it. But we're going to do it unless, or until, somebody else does. We're going to keep working on it. We're going to get as much support from as many people as we possibly can. We're committed to it, so if that's what it takes, that's what it takes. We're pretty serious about it.

HT: It's about fresh water, it's about...

JG: It's all that stuff. It's the ozone layer, it's the CO₂, methane, it's all these delicate balances that keep the atmosphere functioning. Plus, it's the weather, generating stuff which nobody understands.

If we lose it, we're not going to get it back. It's definitely life-threatening, in the same sense that atomic bombs are life-threatening, only this one is mindless. It's gone along and there's nobody at the wheel. Out of control. It's completely mindless, and it's in action every day. Something needs to be done about it. We're alarmed—we're just making an effort to communicate our own alarm.

Raising a million dollars is no big thing. In some places, a little money goes a long way. Mostly, it's getting to the World Bank and getting to the Japanese and getting to misappropriated money designed to help the so-called Third World countries—that bad-thinking money—"We'll bring this country into the 20th century by simply paving it from one end to the other."

HT: In Brazil, there's a program where it's legal to clear half your land. So a guy

buys the land, clears out the land, then sells the other half.

JG: Right. You can do it infinitely. Zeno's Paradox. Obviously, those things are not going to work. There are people in Brazil who understand. The whole thing is getting together with the ecologists and environmentalists down there to find out the proper way to address the people who make the laws there. You can't cop an imperialistic point of view—you know—"The rainforests belong to all people"—you can't do it. It's their right, and it's their resource. But global survival means there is more at stake than that.

HT: What kind of direct action stuff do you think Greenpeace will do?

JG: Their aim has to do with the

HERBIE GREENE

pesticides and vecicides the U S sells to countries in South America—all those poisoning and defoliating chemicals. Greenpeace is prepared to go out there and, in their own inimitable way, park in front of the ships as they're leaving the docks.

HT: Do you think confrontational policies will work?

JG: Only in some situations. In some situations that's the only thing you've got. In others it's really hopeless. For example, you have to sit down and talk at the World Bank or they won't let you in.

HT: What does the World Bank do?

JG: The World Bank are the people that guarantee the loans that go on between industrial nations and the Third World. They're the guarantor banks. They're made up of a coalition of banks from America, Europe, and Japan—all the places you'd expect them to be from. There are about 123 member banks, and they put together these humanistic-sounding programs, but it's mostly just take the money and run. Like all banks, they're interested in making as much money as quickly as they possibly can. They're not well-advised most of the time, and they don't get the benefit of a lot of input. They have a tendency to fund these programs before they really know what damage they'll do.

These people can be appealed to—they're not hidden—they're known. You can write to the president of the World Bank and make a serious appeal to him. Likewise, the Japanese have a sense of pride which is very touchy, and they don't want to be thought of as being people who willingly trash the world, so the idea that, well...

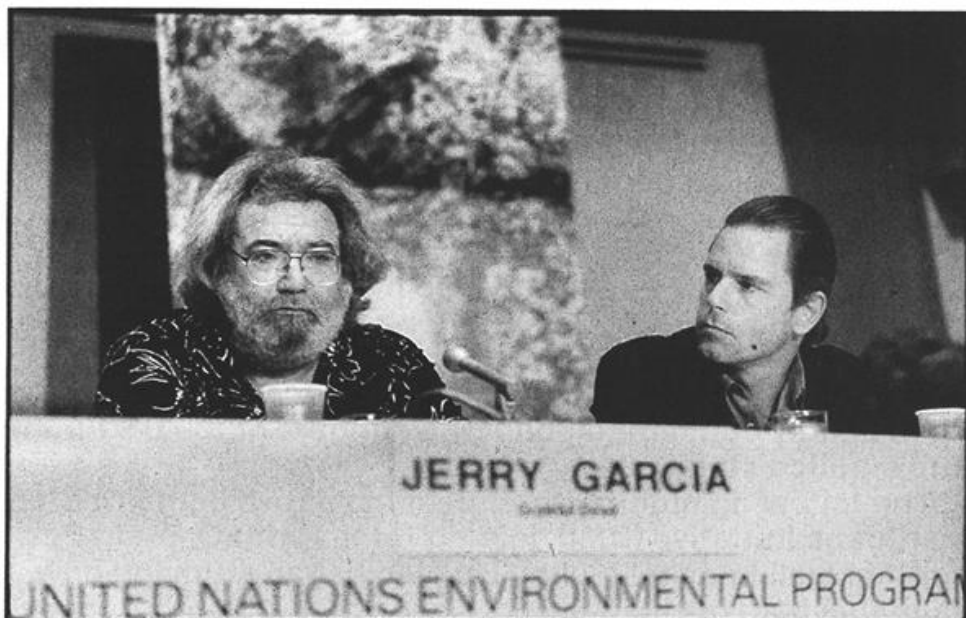
HT: Apply the pressure and appeal to their pride.

JG: Right. It's possible to turn it around, but it means lots of letter writing, lots of dull stuff—big, grassroots campaigns all over the place.

HT: Do you think people are getting more concerned? What have the reactions to what you've been doing been like?

JG: People are amazed that this is still an issue. "Oh, really? Is that still happening?" They're also amazed to find out how close we are to the end of this—we're not going to have this to talk about much longer. That's the scary part. The other part is that everybody feels remote and powerless—it's something going on between those huge companies somewhere in Brazil and what can we do? It's so distant. So, after we've done this show, and followed this money to the work that it's supposed to accomplish, and come back and say, "Well look, we've raised a million dollars at this show. We accomplished this, this, and this; that, that, and that."

There is something you can do—it's just a matter of just knocking them over one at a time. We've been advised now to



Jerry Garcia and Bob Weir at the UN press conference for the Rainforest.

focus on these areas. Each one will pull our focus a little tighter, so that we know a little more each time. This is something that has to be learned—nobody knows it yet. So we're going in the spirit of an ongoing learning situation which will tell us how to deal with it.

HT: Have you talked to Sting? I know he got involved.

JG: I haven't had a chance to, not yet. I'd love to talk to anybody. We need all the help we can get, and anybody who has an interest in this is welcome to correspond with us on any level.

HT: Where should they write?

JG: They can write to us at the office

coma, I mean, there I was—a bag of chemicals, you know, this machine slurching and things beeping and monitoring stuff—I mean, I don't want to have that happen to me anymore. No more of that.

HT: Would you go and talk to the people at the World Bank?

JG: If I could. If I thought it would matter. I would definitely bring somebody with me that knew how to talk, because after certain levels all this stuff is language. I can parrot well enough, but I have zero understanding of a lot of it. But that's part of what this has been about, to learn some of that talk

"We need all the help we can get, and anybody who has an interest in this is welcome to correspond with us on any level."

(c/o RAINFOREST, 466 Green Street, San Francisco, CA 94133). We need help. For us, this is not a glamour item—this is a matter of survival.

HT: Did you get involved in this because of a spiritual awakening you experienced after you were sick?

JG: Not exactly. It's kind of turned out that way, I guess. When I was lying there in the hospital with tubes in me everywhere—"This machine is breathing for me. God, if I ever get out of here"—more like that. I can think of a million things I'd rather be doing than lying in a fucking hospital bed. That was such a bad experience I'll do almost anything to avoid that. They were washing my blood, you know what I mean. You know—where you can smell your own blood—the big hoses—you feel like a bag of chemicals. When I came to, after that

and to learn some of the kind of thinking that goes into this stuff—how did it get so bad in the first place? Why is it that they think this is the right way to manage this resource? Who is making all the money? It's indirect in a lot of places.

Take this huge dam project. There's a dam project coming up in Brazil, which coincidentally cuts lots and lots of forests, but it's really a dam project. Theoretically it's an energy project. The World Bank views it as energy for the Third World. So they're going to build this huge, grossly inefficient dam. The people who are going to end up making the most money are going to be the Japanese, who are sending the earth removers. So the Japanese have been pulling for this project because they're going to sell a lot of earth movers—a lot

continued on page 60

If the US government had left the cannabis plant alone, we probably would not be facing the perils of the Greenhouse Effect. We owe this remarkable observation to the research of Jack Herer.

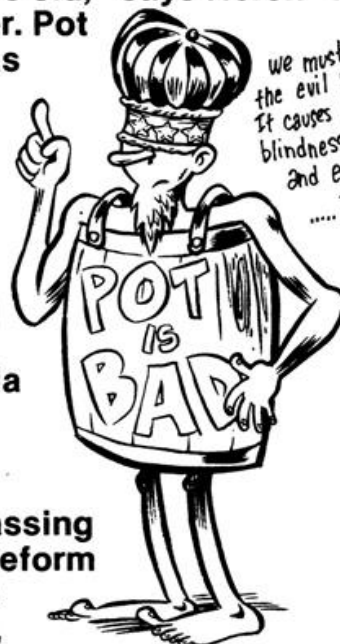
"I didn't discover marijuana until 1969, when I was 30 years old," says Herer. "At the time, I was a successful businessman and a Nixon supporter. Pot changed my life. I began to hear my own words back to me as judgments. I put on earphones and heard music in color for the first time."

In March, 1973, Herer published his first book, *Grass*, the first attempt at creating a marijuana price structure, a role now performed by the Trans-High Market Quotes. Herer, meanwhile, had become a Libertarian and was growing increasingly concerned about the dangers of the US turning into a police state.

The following month, Herer became active in the California Marijuana Initiative (CMI), joining forces with Captain Ed, another well-known activist. He also began studying how cannabis became illegal.

Ten years later, while serving a 15 day sentence for trespassing on federal property (while informing voters of the cannabis reform movement), Herer wrote down everything he knew about the marijuana plant. The result, *The Emperor Wears No Clothes*, went on to become one of the biggest selling books in the history of the underground press. Now, for the first time, HIGH TIMES is proud to present an exclusive excerpt from Herer's classic study.

—S.H.



CAN POT SAVE THE WORLD?

by Jack Herer

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(Source: U.S. Dept. of Agriculture)

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(Source: U.S. Dept. of Agriculture, U.S. Congressional Records)

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(Source: Solar Gas, 1980, Science Digest 1983-'84, U.S. Dept. of Energy)

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1740 on...

Russia, because of its cheap slave/serf labor, produces 80 percent of the western world's cannabis hemp, finished hemp products, and is, by far, the world's best-quality manufacturer of cannabis hemp for sails, rope, rigging and nets. Cannabis is Russia's number one trading commodity—ahead of its furs, timber and iron.

1740 to 1807

Great Britain buys 90 percent or more of its marine hemp from Russia; Britain's navy and world sea trade runs on Russian hemp. Each British ship *must* replace 50 to 100 tons of hemp every year or two.

1793 to 1799 on...

The British nobility is hostile toward the new French government primarily because the British are afraid that the 1789-93 French Revolution of commoners could spread, and/or result in a French invasion of England and the loss of its Empire and, of course, its nobility's heads.

1803 to 1814

Britain's navy blockades Napoleon's France, including Napoleon's allies on the Continent. Britain accomplishes the blockade of France by closing their (France's) English Channel and Atlantic (Bay of Biscay) ports with its navy; also, Britain controls absolute access to and from the Mediterranean and Atlantic, by virtue of its control of Gibraltar.

1803 on...

The **Louisiana Purchase** gives rise to some Americans', mostly Westerners', dreams of "Manifest Destiny"—that is- the United States should extend to all of North America, from the top of Canada (furs) to the bottom of Mexico, and from the Atlantic to the Pacific.

1803 to 1807

Britain continues to trade and buy 90% of its hemp directly from Russia.

1798 to 1812

The fledgling United States is officially "neutral" in the war between France and Britain. The United States even begins to solve its own foreign problems by sending its navy and marines (1801-1805) to the Mediterranean to stop Tripoli pirates and ransomers from collecting tribute from or for American **Yankee traders** operating in the area. "Millions for Defense—not a penny for Tribute" was America's rallying cry, and the incident came to be reflected in the second line of the Marine hymn; "... to the shores of Tripoli."

1803

Napoleon, needing money to press war with Great Britain and pursue control of the European continent, bargain-sells the **Louisiana Territory** to the United States for \$15 million, or roughly two-and-a-half cents per acre.

1807

Napoleon and Czar Alexander of Russia sign the Treaty of Tilsit, which cuts off all legal Russian trade with Great Britain, its allies or any other *neutral nation* ship acting as agents for Great Britain in Russia.

Napoleon's strategy and his most important goal of the treaty is to stop



Russian hemp from reaching England, thereby destroying Britain's navy by forcing it to cannibalize sails, ropes, and rigging from other ships; and eventually, Napoleon believes, with no Russian hemp for its huge Navy, the British will be forced to end its blockade of France and the Continent.

1807 to 1809

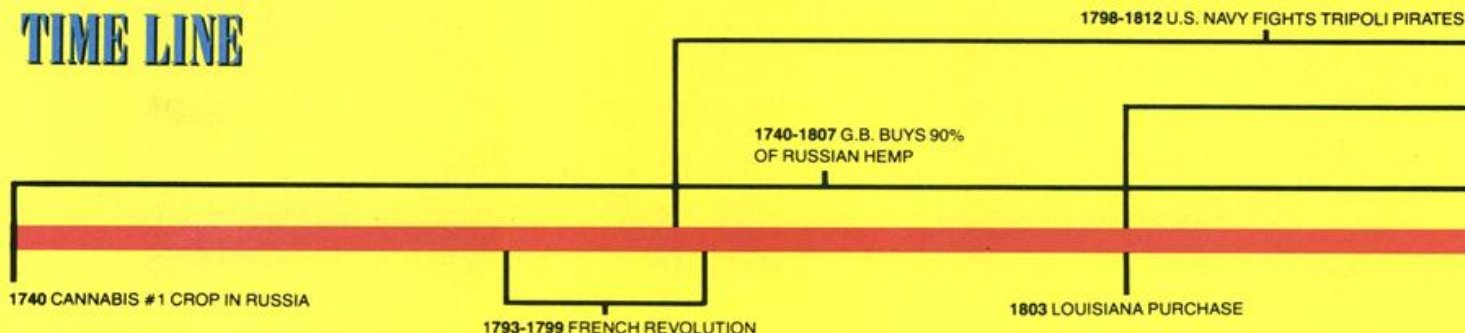
The United States is considered a neutral country by Napoleon as long as its ships do not trade with or for Great Britain, and the United States considers itself to be neutral in the war between France and Great Britain. However, Congress passes the **1806 Non-Importation Pact**. British articles which were produced in the U.S., which could be produced elsewhere were prohibited. Congress also passes the **1807 Embargo Act** to wit: American ships could not bring or carry products to or from Europe. These laws hurt America more than Europe; however, many Yankee traders ignored the law anyway.



1807 to 1809

After the Treaty of Tilsit cut off their Russian trade, Britain claims that there are no neutral countries or shipping lanes. Hence, any ship that trades with Napoleon's "Continental System" of allies are the enemy and are subject to blockade. On this pretext, Britain confiscates American ships and cargo and sends sailors back to the United States at American ship owners' expense. Britain "impresses"

TIME LINE





some American sailors into service in the British Navy. However, England claims that they only "impress" those sailors who are British subjects and whose American shipping companies refused to pay for the sailors' return fares.

1807 to 1810

Secretly, however, Britain offers the captured American traders a "deal" (actually a blackmail proposition) when they "overhaul"—board and confiscate—an American ship and bring it into an English port. *The deal:* Lose your ship and cargoes forever, or, go to Russia and secretly buy hemp for Britain, who will pay the American traders, in gold, in advance, and more gold when the hemp is delivered back. At the same time, the Americans will be allowed to keep and trade their own goods (rum, sugar, spices, cotton, coffee, tobacco) to the Czar for hemp—a double profit for the Americans.

1808 to 1810

Our shrewd Yankee traders, faced with the choice of either running British blockades and risk having their ships, cargo, and crews confiscated, or acting as secret (illegal) licensees for Britain, with safety and profits guaranteed, mostly chose the later. John Quincy Adams, later to become president, who was in 1809 the American Consul at St. Petersburg, noted: "As many as **600 clipper ships**, flying the American flag, in a two week period, were in Kronstadt," (the Port of St. Petersburg, now called Leningrad, Russia) loading principally cannabis hemp for England (illegally), and for America, where quality hemp is in great demand also."

The United States passes the *1809 Non-Intercourse Act* which resumes legal trade with Europe, except Britain and France. It is soon replaced with the *Macon Bill* resuming all legal trade.

1808 to 1810.

Napoleon insists that Czar Alexander stop all trade with the independent United States traders as they are being coerced

into being illegal traders for Great Britain's hemp. Napoleon wants the Czar to allow him to place/station *French* agents and troops in Kronstadt to make sure the Czar and his port authorities live up to the treaty.

1808 to 1810

The Czar says "Nyet!" despite his treaty with France, and turns a "blind eye" to the illegal American traders probably because he needs the popular, profitable trade goods the Americans are bringing him and his Nobles, as well as the hard gold he is getting from the Americans' (illegal) purchases of hemp for Great Britain.

1809

Napoleon's allies invade the Duchy of Warsaw.



1810

Napoleon *orders* the Czar to stop all trade with the American traders! The Czar responds by withdrawing Russia from that part of the *Treaty of Tilset* that would require him to stop selling goods to neutral American ships.

1810 to 1812

Napoleon, infuriated with the Czar for allowing the life blood of Britain's navy—hemp—to reach England, builds his army and invades Russia to punish the Czar and ultimately stop hemp from reaching the British Navy.

1811 to 1812

England, again an ally and full trading partner of Russia, is still stopping American ships from trading with the rest of the Continent. Britain also blockades all U.S. traders from Russia at the Baltic Sea and insists that American traders have to now buy other strategic goods from them, secretly, mostly from Mediterranean ports, i.e., from Napoleon and his allies on the Continent who by this time are happy to sell anything to raise capital.

1812

The United States, cut off from 80 percent of its Russian hemp supply, debates war in Congress. Ironically, the representatives of the Western states argue for war under the excuse of "impressed" American sailors. However, the representatives of the Maritime States, fearful of loss of trade, argue against war, even though it's their shipping, crews, and states that are allegedly affected.

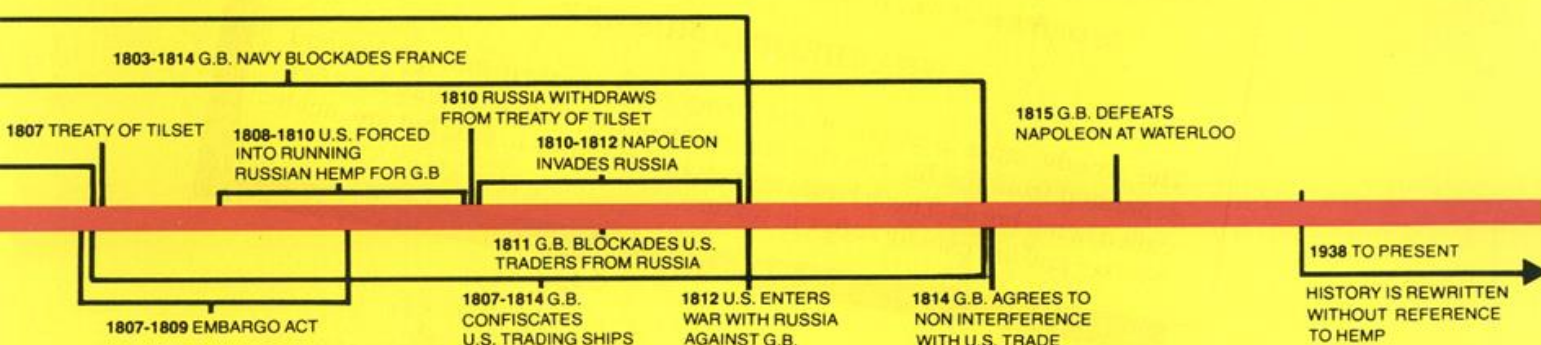
Not one senator from a Maritime State votes for war with Great Britain. Virtually all Western senators vote for war, hoping to take Canada from Britain and fulfill their dream of "manifest destiny," in the belief that Great Britain is too busy in European wars with Napoleon to protect Canada.

The Western states win in Congress, and on June 18, 1812, the United States is at war with Britain. America enters the war on the side of Napoleon, who marches on Moscow in June of 1812. Napoleon is soon defeated in Russia, by its harsh winter, the Russian scorched-earth policy, 2,000 miles of snowy and muddy supply lines, and by Napoleon not stopping for the winter and regrouping before marching on Moscow as was the original battle plan. Of the 450,000 to 600,000 men Napoleon starts with, only 180,000 ever make it back.



1812 to 1814

Britain, after initial success in war with the United States (including the burning of Washington in retaliation for the earlier American burning of Toronto, then the colonial Canadian capital), finds its finances and military stretched thin—with blockades, war in Spain with France, and a tough new America on the seas. Britain agrees to peace, and signs a treaty with the United States in December, 1814. The actual terms of the treaty give little to either side. But, in effect, Britain agrees to never again interfere with American shipping and the United States will give up all claims to Canada forever (which we did with the exception of "54-40 or Fight").



In 1916, Lyster H. Dewey, Botanist in Charge of Fiber-Plant Investigations, predicted that once the necessary machines were invented, it would be cheaper to make paper out of cannabis than wood pulp. Below is the front page of his report. An employee of the U.S. Dept. of Agriculture, Dewey felt that hemp would again become America's number one farm crop.



UNITED STATES DEPARTMENT OF AGRICULTURE

BULLETIN No. 404

Contribution from the Bureau of Plant Industry
WM. A. TAYLOR, Chief

October 14, 1916

PROFESSIONAL PAPER

HEMP HURDS AS PAPER-MAKING MATERIAL

By **LYSTER H. DEWEY**, Botanist in Charge of Fiber-Plant Investigations, and
JASON L. MERRILL, Paper-Plant Chemist, Paper-Plant Investigations.

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In preparing the report on the manufacture of paper from hemp hurds it became evident that a short discussion of the agricultural aspects of this material should be included in the publication. Such an article was prepared, therefore, and the two reports are here presented together.

THE PRODUCTION AND HANDLING OF HEMP HURDS.

By **LYSTER H. DEWEY**, Botanist in Charge of Fiber-Plant Investigations

WHAT HEMP HURDS ARE.

The woody inner portion of the hemp stalk, broken into pieces and separated from the fiber in the processes of breaking and scutching, are called hemp hurds. These hurds correspond to shives in flax, but are much coarser and are usually softer in texture.

Twenty-two years later, the machinery was finally available, as outlined in *Popular Mechanics*, February 1938. However, just as this invention and the cannabis plant were about to revolutionize the fiber industry, cannabis was made illegal.



NEW BILLION DOLLAR CROP

POPULAR MECHANICS, FEBRUARY, 1938

American farmers are promised a new cash crop with an annual value of several hundred million dollars, all because a machine has been invented which solves a problem more than 6,000 years old. It is hemp, a crop that will not compete with other American products. Instead, it will displace imports of raw material and manufactured products produced by underpaid coolie and peasant labor and it will provide thousands of jobs for American workers throughout the land.

The machine which makes this possible is designed for removing the fiber-bearing cortex from the rest of the stalk, making hemp fiber available for use without a prohibitive amount of human labor.

Hemp is the standard fiber of the world. It has great tensile strength and durability. It is used to produce more than 5,000 textile products, ranging from rope to fine laces, and the woody "hurds" remaining after the fiber has been removed contain more than 77 percent cellulose, and can be used to produce more than 25,000 products, ranging from dynamite to Cellophane.

Machines now in service in Texas, Illinois, Minnesota and other states are producing fiber at a manufacturing cost of half a cent a pound, and are finding a profitable market for the rest of the stalk. Machine operators are making a good profit in competition with coolie-produced foreign fiber while paying farmers fifteen dollars a ton for hemp as it comes from the field.

From the farmers' point of view, hemp is an easy crop to grow and will yield from three to six tons per acre on any land that will grow corn, wheat, or oats. It has a short growing season, so that it can be planted after other crops are in. It can be grown in any state of the union. The long roots penetrate and break the soil to leave it in perfect condition for the next year's crop. The dense shock of leaves, eight to twelve feet above the ground, chokes out weeds. Two successive crops are enough to reclaim land that has been abandoned because of Canadian thistles or quack grass.

Under old methods, hemp was cut and allowed to lie in the fields for weeks until it "retted" enough so the fibers could be pulled off by hand. Retting is simply rotting as a result of dew, rain and bacterial action. Machines were developed to separate the fibers mechanically after retting was complete, but the cost was high, the loss of fiber great, and the quality of fiber comparatively low. With the new machine, known as a decorticator, hemp is cut with a slightly modified grain binder. It is delivered to the machine where an automatic chain conveyor feeds it to the breaking arms at the rate of two or three tons per hour. The hurds are broken into fine pieces which drop into the hopper from where they are delivered by blower to a baler or to truck or freight car for loose shipment. The fiber comes from the other end of the machine, ready for baling.

From this point on almost

anything can happen. The raw fiber can be used to produce strong twine or rope, woven into burlap, used for carpet warp or linoleum backing or it may be bleached and refined with resinous by-products of high commercial value. It can, in fact, be used to replace the foreign fibers which now flood our markets.

Thousands of tons of hemp hurds are used every year by one large powder company for the manufacture of dynamite and TNT. A large paper company, which has been paying more than a million dollars a year in duties on foreign-made cigarette papers, now is manufacturing these papers from American hemp grown in Minnesota. A new factory in Illinois is producing fine bond papers from hemp. The natural materials in hemp make it an economical source of pulp for any grade of paper manufactured, and the high percentage of alpha cellulose promises an unlimited supply of raw material for the thousands of cellulose products our chemists have developed.

It is generally believed that all linen is produced from flax. Actually, the majority comes from hemp—authorities estimate that more than half of our imported linen fabrics are manufactured from hemp fiber. Another misconception is that burlap is made from hemp. Actually, its source is usually jute, and practically all of the burlap we use is woven by laborers in India who receive only four cents a day. Binder twine is usually made from

sisal which comes from Yucatan and East Africa.

All of the products, now imported, can be produced from home-grown hemp. Fish nets, bow strings, canvas, strong rope, overalls, damask tablecloths, fine linen garments, towels, bed linen and thousands of other everyday items can be grown on American farms. Our import of foreign fabrics and fibers average about \$200,000,000 per year; raw fibers alone we imported over \$50,000,000 in the first six months of 1937. All of this income can be made available for Americans.

The paper industry offers even greater possibilities. As an industry it amounts to over \$1,000,000,000 a year, and of that, 80 percent is imported. But hemp will produce every grade of paper, and government figures estimate that 10,000 acres devoted to hemp will produce as much paper as 40,000 acres of average pulp land.

One obstacle in the onward march of hemp is the reluctance of farmers to try new crops. The problem is complicated by the need for proper equipment a reasonable distance from the farm. The machine cannot be operated profitably unless there is enough acreage within driving range and farmers cannot find a profitable market unless there is machinery to handle the crop. Another obstacle is that the blossom of the female hemp plant contains marijuana, a narcotic, and it is impossible to grow hemp without producing the blossom. Federal regulations now being drawn up require registration of hemp growers, and tentative proposals for preventing narcotic production are rather stringent.

However, the connection of hemp as a crop and marijuana seems to be exaggerated. The drug is usually produced from wild hemp or locoweed which can be found on vacant lots and along railroad tracks in every state. If federal regulations can be drawn to protect the public without preventing the legitimate culture of hemp, this new crop can add immeasurably to American agriculture and industry.



POT SEED AS THE BASIC WORLD FOOD

Hemp seed was used in porridge, soups, and gruels by virtually all the people of the world regularly, until this century.

Monks were required to eat it three times a day, make their clothes, and print their Bibles from paper made from its fiber.

(See "Research Institute For The Study Of Man," Dr. Vera Rubin; Eastern Orthodox Church; *Therapeutic Potential of Marijuana*; E. Abel, *Marijuana, The First 12,000 Years*; Ency. Brit.)

WHY AS FOOD?

The marijuana hemp seed (which is technically a fruit) is the second-most "complete" (has the 8 essential amino acids) vegetable protein source on our planet!; only soybeans have a bit more protein. However, hemp seed is *many* times cheaper and its protein potential can be utilized better than soybean by the human body.

In fact, the marijuana seed is the highest in enzymes and overall amino acids of *any* food on our planet, including soybeans. Hemp seed extracts,*like soybeans, can be made to taste like chicken, steak, or pork. Hemp seeds, like soybeans, also can be used to make tofu-type curd and margarine, and at only **ten to twenty percent** of the cost of soybeans. (*U.S. Agricultural Index*; *The Marijuana Farmers*, 1972, Frazier.)

Please Note: **When marijuana is grown for seed the half weight of the full grown plant is seed!!!**

*No!, like the shirts, hemp seeds won't get you high either.

MARIJUANA METHANE

AS THE BASIC WORLD FUEL

In the 1920's and '30's, most American cars and farm vehicles were sold with the option to run either on methanol or gasoline or both. During the gas shortages of World War II, methanol was widely used by farmers and even the military. It is still used by most racing cars today.

Methanol does not pollute! When burned it emits only carbon dioxide and water vapors; and while growing it takes three times as much carbon dioxide out of the air before eventually putting (when burned) one-third of it back... whereas oil or coal only can pollute—never clean—because its source—vegetation or dinosaur—died millions of years ago.

The early Oil Barons (Rockefeller, Standard; Rothschilds, Shell; et al.) paranoically aware in the Twenties of the possibilities of Ford's methanol scheme* and its cheapness, dropped and kept oil prices incredibly low—between \$1.00 to \$2.00 per barrel (there are 42 gallons in an oil barrel)—for almost 50 years until 1970. So low, in fact, that no other energy source could compete with them... and when they were sure of the lack of competition, the price jumped to almost \$40.00 per barrel in the next ten years.

Suddenly, for whatever reason, we are now in an era when oil is not only prohibitively expensive, but embargos

*Henry Ford even grew marijuana on his estate after 1937 to prove the cheapness of methanol.

continued on page 86

Interview: David Peel

"Have A Marijuana"

by John Holmstrom

David Peel has performed at more pot protests than any other performer in the world. That's not his only claim to fame, however—he's released dozens of albums, videos, and tapes, including his collaborations with John Lennon and Yoko Ono. Early in his career, he was managed by Tom Forcade, who later started *HIGH TIMES*. This is another in a series of interviews in preparation for a special issue marking the 15th year of *HIGH TIMES*, and dedicated to the memory of Tom Forcade.

HIGH TIMES: How old were you when you started getting into rock music?

David Peel: I was in my early twenties, serving in the US Army. This was in the early '60s. I was a photographer in Anchorage, Alaska, and came out with an honorable discharge. The most important thing during this time is that I heard the Beatles' "I Want To Hold Your Hand" in '64. It gave me a jolt like when I heard "Shake, Rattle and Roll" and "Rock Around the Clock," by Bill Haley and the Comets. Those were the two big charges that blew me away—once when I was in the army and once when I was a kid. Also, when I was in the military, a friend of mine, who was a bohemian jazz person, recommended that I go to the Village and check up on what was happening.

HT: When did you start playing rock 'n' roll in the streets?

DP: 1966. Towards the end of 1965, I was working on Wall Street—before Jerry Rubin. I was dressed as a yuppie, but I was really a Yippie.

HT: Were there Yippies back then?

DP: No, no, no, this is previous to the history of the Yippies. I did the opposite of Jerry Rubin. I was in Wall Street first—little did I realize that later on we would be demonstrating in the same place I was working at.

See, I was in the Village for eight months before I had my first joint. I didn't know what marijuana was; I faked it. Then it was in, but I was out. I didn't know about pot until somebody finally

gave me a joint on Cornelia Street. I almost went out the window. As a matter of fact, that was on the day I first heard the song "Light My Fire" by the Doors. This was in 1967. For eight months I didn't smoke joints, see? I was smoking bananas then, banana skins.

HT: You were?

DP: As a matter of fact, a friend of mine on Wall Street who was pretty hip told me about it. He gave me an article from *The Village Voice* about getting high off banana skins. I said, "Well, this is something to really turn on to!" And I started getting more and more bohemian, a little more like a hippie, know what I mean? Different kind of glasses and stuff. To make a long story short, I did more research. I even went to the United Fruit Company, so I'd be sponsored to smoke banana skins. I've got news for you. At the first Be-In, at Central Park in 1967, we had more people there smoking banana skins than marijuana.

Later, I realized banana skins were not getting people high. The first song I wrote was called "Banana Grass." (He begins to sing.)

Yesterday I went to the A&P/Looking for some grass and some LSD/Looking on the food shelf, what did I see?/A dirty yellow peel looking right at me/ Called Banana Grass.

HT: Is that where you got your name? David "Banana" Peel?

DP: That's part of it. So, after realizing that bananas were not getting people high and stoned, marijuana became our second choice. And to this day, I'm the only one, and check me if I'm wrong,

who ever used the word "marijuana" on an album cover throughout the world.

HT: That was *Have A Marijuana*?

DP: Yeah. *Have A Marijuana*. Nobody has used the word "marijuana" but me. And that's from *Time* magazine, Spring 1968. The story read, "This guy is singing 'Have A Marijuana.'" Danny Fields saw that. I showed him the article, and he said, "'Have A Marijuana.' We'll use that for the cover." Danny Fields discovered me.

Danny Fields managed Iggy Pop and the Stooges, the MC5, David Peel and the Lower East Side, The Ramones, and Steve Forbert. That was his big five. And Nico, from the Velvet Underground. As a matter of fact, we're all still surviving, except for the MC5 and Nico (she regrettably passed away in 1988—ED.). The Ramones are still going, Iggy Pop is still going, Steve Forbert is still going, and so is David Peel.

So, Danny Fields saw me in Washington Square Park. He was looking for some kind of radical singer who was a pop cultural hero, and I had big crowds all the time. The word "marijuana" was a jolt in people's minds, because no one ever said "marijuana." Not in songs. Everyone sang folk songs, not pot songs. I figured if I sang a pot song, I'd have an alternative following in the Village culture.

I hated the "in" crowds. I thought they were a lot of bullshit. The best way to be in is to be out. So, rather than succumb to those people, we just began our own "out" crowd—for anybody who wanted to join—and we themed it around marijuana and banana grass. When I first



Cheech Marin (left) and David Peel hanging out on the set of *Rude Awakening*, a major feature film to be released this summer.

EILEEN POLK

sang that song, "Banana Grass", I never saw so many people jolted—like Beatlemania. Wow.

HT: Is that when you were discovered—singing street and folk rock music in the Village in 1967?

DP: Let's see—they fired me from Wall Street because I was getting too hippie, that was the fall of '67, then I went to Haight-Ashbury in San Francisco, and hung out there, singing my songs. Then I came back to New York City and worked again on Wall Street, as a temporary employee. A black dude gave me a book called *Psychocybernetics*. It said, in print, three things—"Look for a goal, the goal must be possible, and do it."

So, I used that premise to start my career. And Danny Fields offered me the chance of being on a major record label, Elektra Records, and we recorded *Have*

People tried to get me to try LSD, tried to do this and that, they never got me to do it. Because the more they tried telling me what to do, the less of an individual I would have been if I'd done it. You do what you want to do, as long as you don't hurt yourself or others.

HT: That was the original hippie ethic—"Everybody do your own thing!"

DP: Marijuana's okay. After 20 years of being in the high life, it's had no bad effects whatsoever. If it did, believe me, I'd stop singing about it *this second*.

That's a lot of bullshit—that it leads to crack, it leads to heroin—that's not true at all. If we don't know that by now, 25 years later, we're never going to know. What do we have to do, grow weeds out of our heads to understand what's happening?

HT: Speaking of marijuana, when did you

for me on the stage for special effects. He was part of the David Peel and the Lower East Side and John Lennon and Yoko Ono political team band. Jerry Rubin had the outs with Tom Forcade and A.J. Weberman and the Yippies. Bob Dylan was a conspirator, using John Lennon and me to break up and divide the leaders in the Yippie underground.

HT: Are you sure?

DP: Definitely, I know so. The Rock Liberation Front used my name for this. I didn't realize it 'til later because, when you first meet superstars, you're very open to them. You don't realize that's when they can manipulate you. And they usually do. The superstars divided the yippies and the radicals. Bob Dylan didn't like A.J. doing the garbology thing, right? [Garbology was invented by A.J. Weberman, and involved going through celebrities' trash for data]. So, Jerry Rubin would go against A.J. Weberman. A.J. Weberman was close friends with Tom Forcade. So, obviously, Jerry and Abbie versus Tom and A.J. There's your conflict. And that's when Forcade formed the Zippies, as an alternative to the Yippies.

Tom did a good job. He helped me out immensely. He helped me break away from contracts from other companies so I could sign with Apple Records. He was going to try to get me on Roulette Records at one time, but Dylan told me that I shouldn't sign with that record company because there were better ones for my style of music. Okay. I took that sound advice. Thanks, Bobby!

Once Tom Forcade began HIGH TIMES magazine, we had our separation. Not because we were uptight with each other, but merely because we had different lifestyles, and different ways of thinking. It happens to all of us, sometimes, you know.

I was trying to get him to do a HIGH TIMES record label. Of course, he never did. I'm really sorry he never did. He tried to do movies, with Johnny Rotten, etc., but Tom Forcade was no Cecil B. DeMille. He was Tom Forcade. There are some things you just can't do 100 percent. You're so hassled fighting the government and controversial adversaries. Some things he did right, some things he just couldn't do. Not because he wasn't qualified; he just didn't have the time.

HT: So you don't believe there was a government conspiracy to murder Tom Forcade...

DP: Yes, I think so. If you look at the stories of everybody from Elvis Presley to John Kennedy, Martin Luther King,

"Bob Dylan was a conspirator, using John Lennon and me to break up and divide the leaders in the Yippie underground."

A Marijuana, live, in Washington Square Park. That was my first record, in 1968.

HT: What was next?

DP: *The American Revolution*—we recorded that in the studio in 1969, and in '71, I did *The Pope Smokes Dope* with John Lennon and Yoko Ono. Before I met Albert Goldman.

HT: Did you talk to Albert Goldman for his John Lennon book?

DP: Yes, I did! He's cool, and not cool. He distorts the truth, slanting it to one side.

HT: Albert Goldman introduced Tom Forcade to chic ed, who turned out to be an informer.

DP: Was he aware of that?

HT: No, I don't think so.

DP: They would have found out one way or the other if he did. Just like when we were at meetings with John and Yoko for the demonstrations they were doing—I can't say particularly what, I don't wanna add more fuel to the flame, I'll get into that later, but most important is the fact that there were informers there—but the FBI was so ignorant, they used my picture in John Lennon's FBI file as his photograph! That's how dumb they were, and they thought I was on dope—let me tell you something for the record. I have never taken anything, as far as drugs, in my life, except for smoke. And I don't mean crack. I was pretty straight in the early days. I didn't denounce it. It's your trip. Do what you wanna do. I'm not going to do what you want me to do.

meet Tom Forcade? When did he become your manager?

DP: I met him in 1971, through another friend of his. Once he moved into my building, it was easy to know who he was. Good neighbors make good heads, you know. He was doing UPS (Underground Press Syndicate). He was always quiet, very smart and efficient. He reminded me a lot of Jim Morrison in a Jack Nicholson character.

HT: Did you meet Tom before you worked with John Lennon?

DP: Yes, I did. And when we went to the John Sinclair benefit in '71, he was my road manager. Extremely efficient, got everything done, and threw firecrackers



David Peel, Yoko Ono, and John Lennon.

DAVID PEEL COLLECTION

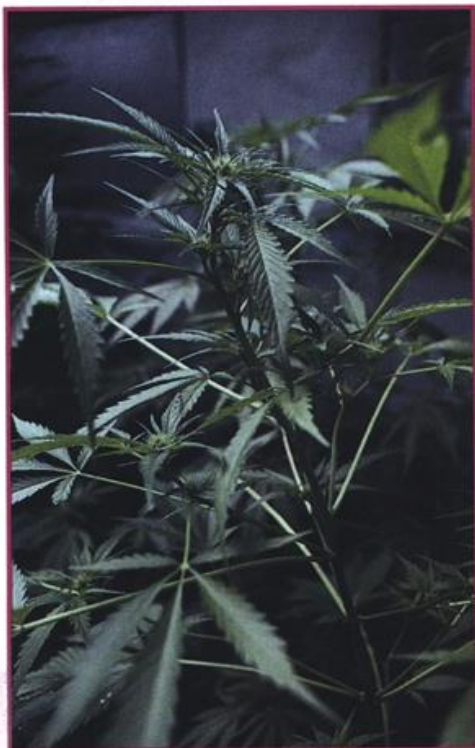
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THE NEW MARIJUANA GROWERS INSIDER'S GUIDE IS AVAILABLE FROM RED EYE PRESS, PO BOX 876274, LOS ANGELES, CA 90087.

PREFLOWERING:

IS IT MALE OR FEMALE?

Story and photographs by Mel Frank

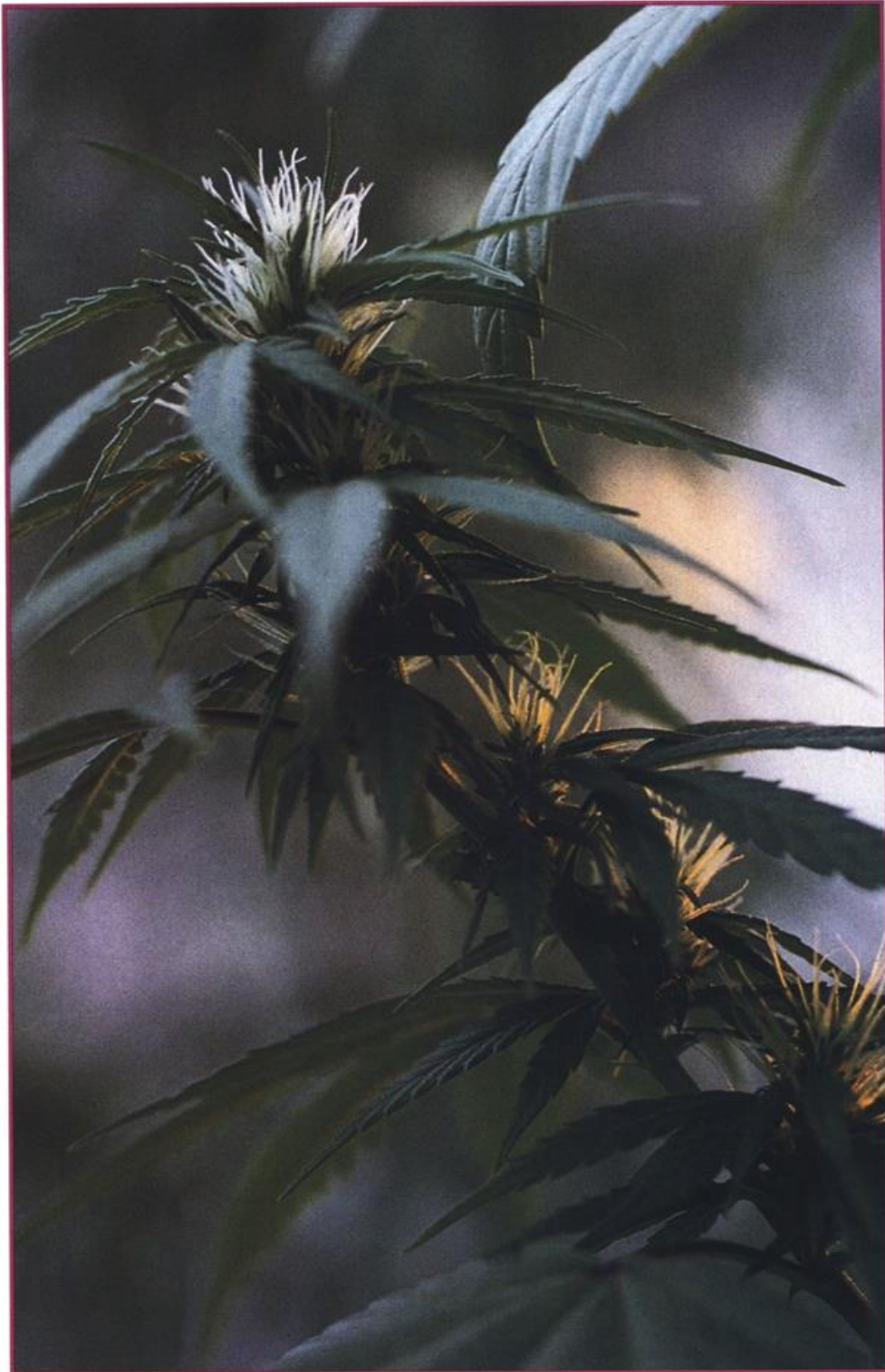


Females form flowers at the tips of branches and the junctures of leaves and branches.

Female marijuana plants are more desirable than males. Females form the familiar flower clusters (buds) that ordinarily make up the marijuana most of us buy. The female buds are the desired crop; not only are buds the most potent part of either male or female plants, they make up most of the weight of any good crop.

It is to the grower's advantage to separate the females from the males as soon as possible. Although the male's leaves and shoots are as potent as the female's before flowering, they can't compare to the matured female's buds in potency or in weight. The male's main function in nature, and in marijuana growing, is to provide pollen (genetic material) for the fertilization of the females and the continuance and hopeful "improvement" of the next generation when breeding.

The most common scenario in a marijuana garden is for the grower to identify the males as soon as possible and to harvest most of them when they begin to crowd the females. A few select males are kept to produce pollen to fertilize females in a breeding program. If you want your garden to be sinsemilla, you must remove all males before any of their flowers open. Well-seeded buds are less potent and smaller than sinsemilla buds. You can place males in a moderately lit spare room or window, and they will mature and grow enough to



The flowers form into progressively larger collections (racemes) known commonly as "buds."

produce an abundance of pollen, more than enough for any breeding program.

During the first six to eight weeks of growth (seedling stage), it's practically impossible to discover the gender of any plant when it's raised under a long daylight photoperiod. Later in growth, female plants generally form more complex branching than the males, and males may be taller. These differences in height and branching are less apparent in weaker light; so your best

indications come under sunlight. The most insignificant differences are under low light, such as under a modest, fluorescent - light garden.

After at least eight, and usually by 12 weeks of growth, plants commonly indicate their gender to observant growers, who can identify their preflowers. The preflowers become more distinctive and easy to identify the closer the plant comes to actually flowering.



Male flowers form in abundance when left to grow. The unopened flowers look somewhat like tiny bunches (cymes) of grapes.



The usual form of a female preflower is a single female flower with a bract (seed pod) from which protrude two stigmas (fuzzy white "hairs," often in a "V" sign). Be careful, the preflower bract may appear with no stigmas.



When buds develop so thickly that they cover the ends of stems and branches, they're called "colas."

Preflowers on young plants and plants grown under low-light may be difficult to distinguish. Under HID's or sunlight, preflowers are larger and more distinctive, and the predetermination of sex is often completely accurate. Even under low light, you can identify the sex of any plant after you've gained experience. Once you've identified or guessed a plant's sex, mark the plant with a wire twist, soil marker, or whatever means you devise that's easy to see and remember. With some experience, you'll learn from your mistakes, and you'll be able to identify the sex of each plant with confidence.

SEXING THE PLANTS

After the plants are at least eight weeks old, look closely (a magnifying glass or photographer's loupe helps) at the junction (node) where the main stem meets with leaf stalks and branches. About two or three nodes below the plant's top, near the base of the main stem's leaf stalks, and just behind the leaf spurs (stipules), you might see a rudimentary flower (preflower). In the best of cases you'll see a single, well-formed female flower with the familiar two white stigmas raised in a "V" sign. If you see a female flower at each



These tiny knobs of male preflowers are often the earliest form to appear under weaker light.



A classic male preflower is flat and spade-shaped with a tiny stalk.



Another form of male preflowers is a teardrop-shaped knob raised on a tiny stalk.



These purple flower pods clearly mark the beginning of flowering with the first true male flowers.

internode at two or three successive internodes, this plant is certainly a female. Commonly, you'll see the base of a female flower, a well-formed bract, with no stigmas. If you're experienced, you'll be able to identify this preflower and the fact that the plant is a female at least 90 percent of the time.

The male preflower is much harder to identify. A male preflower rarely opens but remains a tightly closed knob or a

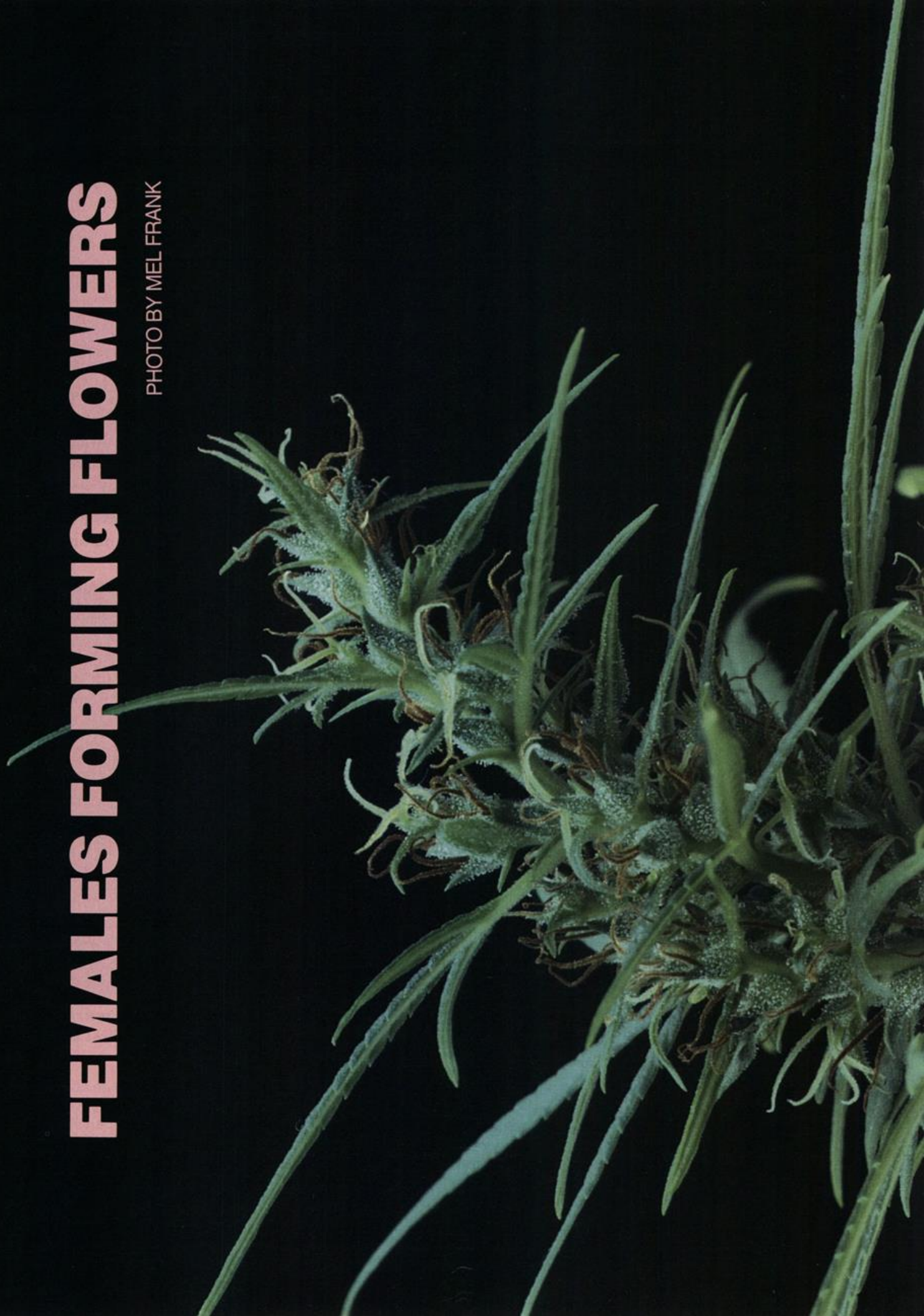
flat, spade-shaped protrusion raised on a stalk that characteristically identifies the male flower. Often the vegetative overlap of the male preflower superficially looks like a female flower.

Once you've learned the difference between male and female preflowers, you'll find enough prospective preflowers to remove most males weeks before they actually flower. The accompanying photographs should start

you on your way to an accurate identification almost every time. Novices shouldn't harvest every plant that looks like it might be a male. You'll probably find that you've mistaken the gender of several plants. Marking each plant or pot with its presumptive sex is the only way to learn from your mistakes. You'll gain accuracy and confidence, and soon master the procedure. ●

FEMALES FORMING FLOWERS

PHOTO BY MEL FRANK

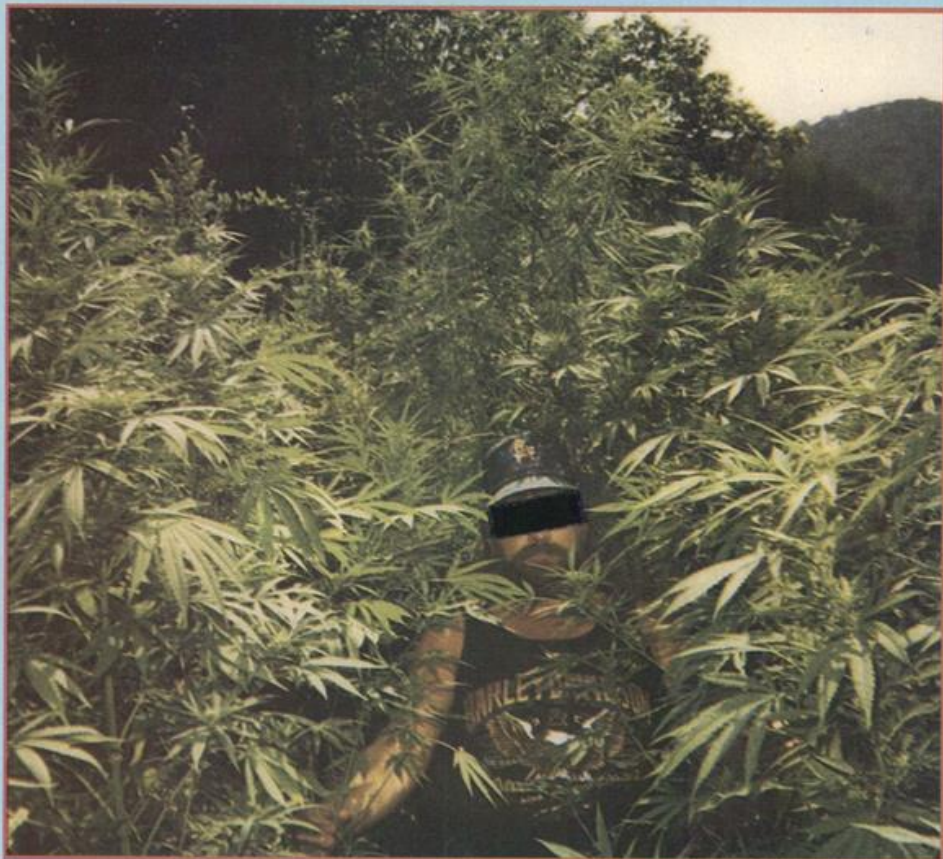




ASK

BY ED ROSENTHAL

ED



GARDEN OF THE MONTH

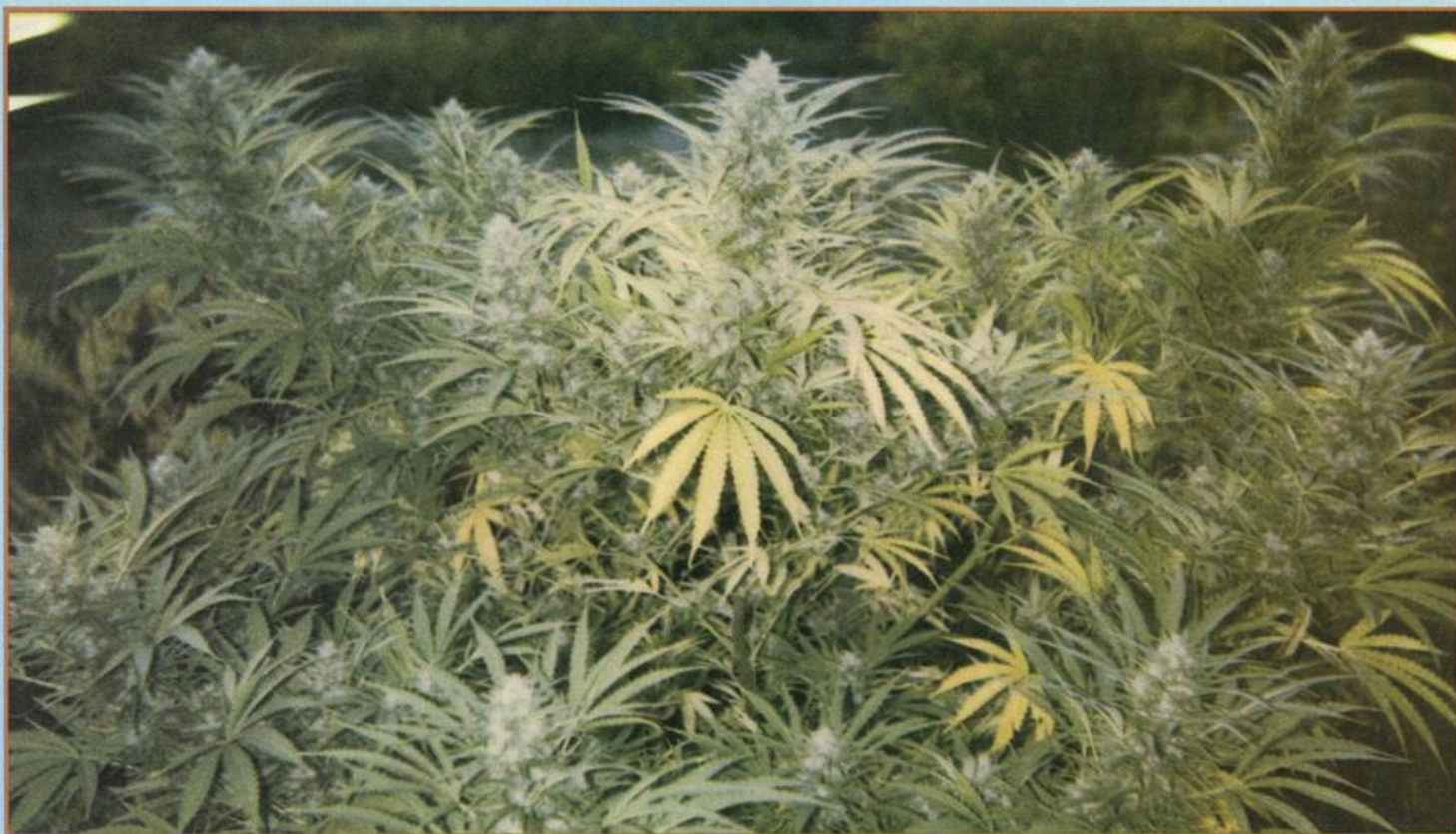
I got the seeds for these plants from Holland. I planted Friesland, Early Bird, and Oakland seeds and let the males stand last year to produce seed. This year we planted second generation and were tickled with the results.

I harvested the last of the Early Bird July 13. When they say early, they mean it. It was real party pot with an ass-kickin' high. Pictured here is about 15 lbs. of Friesland × Oakland hybrids.

I use only natural fertilizers such as rabbit manure. When I dig a hole I mix the

continued on page 68

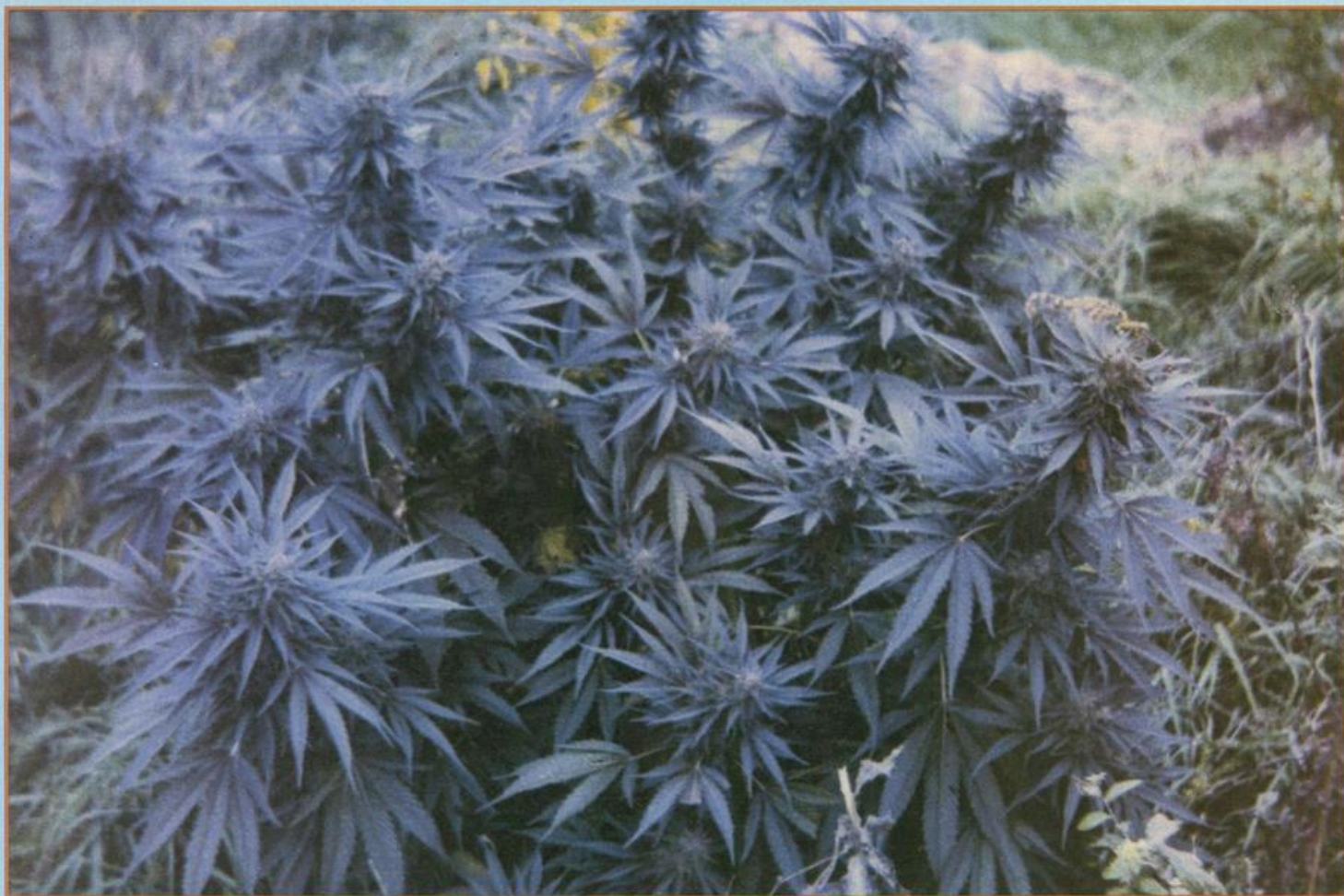




PLANTS OF THE MONTH

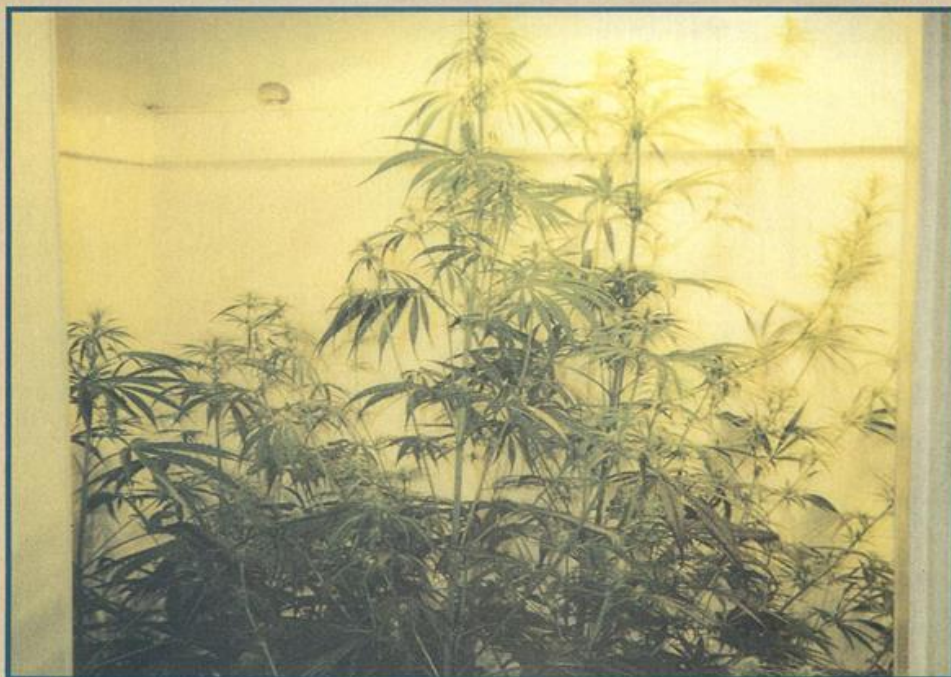
Never thought I had a green thumb, but with some help from a lot of books and some great seeds from Holland, you can bet it's just as good as it looks.

—Mort D. Sr.
Boston, MA

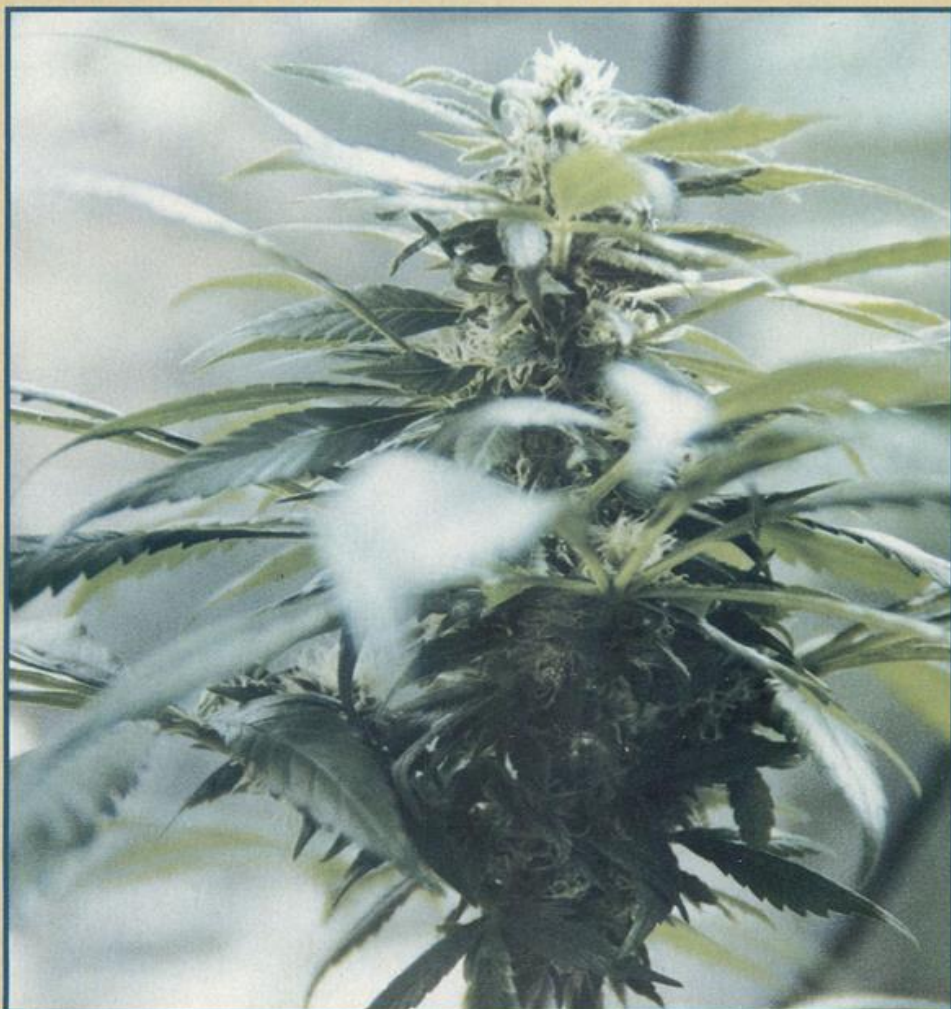


DR. INDOORS

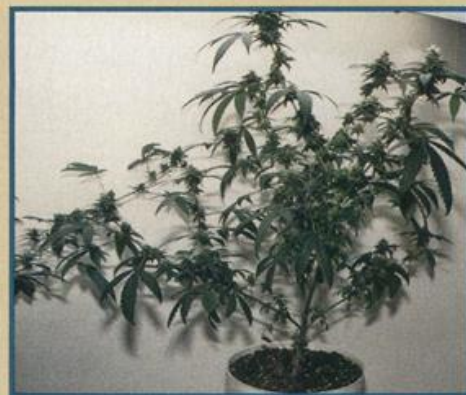
BY BRAM



Here are my 45-day-old sativa hybrids in our closet garden. I use a 1000-watt hps. The buds are just starting!!

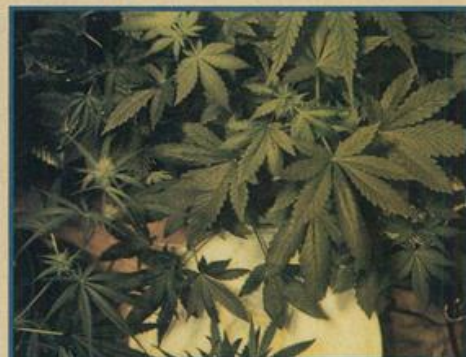


This is one of 25 buds in our/your closet set up! Thanks Doc. The bud is SK#1 x NL5!!



This is the result of our closet garden. We're going to try your closet set up next! Can't wait to see a sea of buds!!

Stoner N.M.



Doc. The closet garden works!! This is a 2nd generation clone from a hermaphrodite breeding!!



Doc. Here's my Skunk #1 grown in a closet set up. I'm switching to a 400W Halide. This was one bong hit bud.

Gangster Buds.

Cannabis growing has changed over the years. It has gone from large outdoor gardens to high-tech indoor gardens. These gardens are no longer the realm of the outdoor grower who has moved inside. Indoor growing now belongs to the consumer.

Consumers want cannabis and they

continued on page 60

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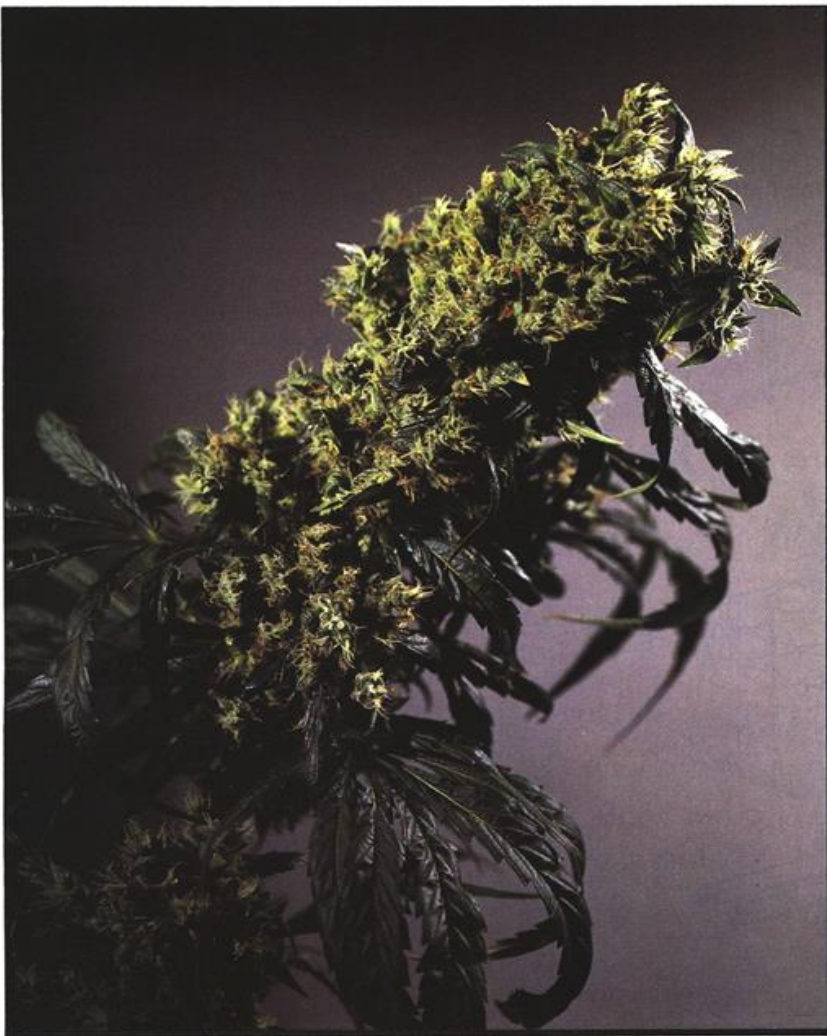
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DR. INDOORS

CLOSET REPORT

THE YEAR OF THE CLOSET GARDEN

The Year of the Closet Garden has gotten off with a bang. As I write this, the Canadian Government has made the possession of HIGH TIMES a felony offense. President Reagan has signed a new law making possession of any amount of drugs a civil offense carrying a \$10,000 fine, on top of any criminal penalties. Zero

tolerance is coming into full force. Closet gardens are the way to reduce risk of exposure. A closet garden can supply one with all the cannabis one needs, without using a large space. If you grow your own, you will not have to buy any, nor have any connection or association with those involved with illegal drug activities.

Think small, think quality, think continuous personal stash rather than "harvest."

Make no mistake about it. Closet gardens are illegal. Growing any amount of cannabis can lead to forfeiture of all you own, civil and criminal penalties, even prison terms. TELL NO ONE ABOUT YOUR GARDEN!

Remember there are 30-50 million people in the US who smoke/grow cannabis. If all these people joined NORML, they could win the right to grow cannabis for personal use. Tell your friends, your smoking/growing buddies, to speak up now. Dr. Indoors has received many letters concerning his basic closet garden as shown in HIGH TIMES Oct. '88. Here are a few of them:

Why is the table in the article 3' x 3' when the room is 3' x 4'? Should the table fill the whole area to prevent light from filtering down to the lower level?

The table is 3' x 3' so that the nutrient bucket is accessible. If the table filled the room, one couldn't get into it to get the nutrients to pour into the plants. If the bucket was under the table, then one would disturb the clones every time one fed the plants.

Is the flap one is supposed to leave unsealed in the front? Is it to give access to the clone room? What about heat buildup from the fluorescent lights?

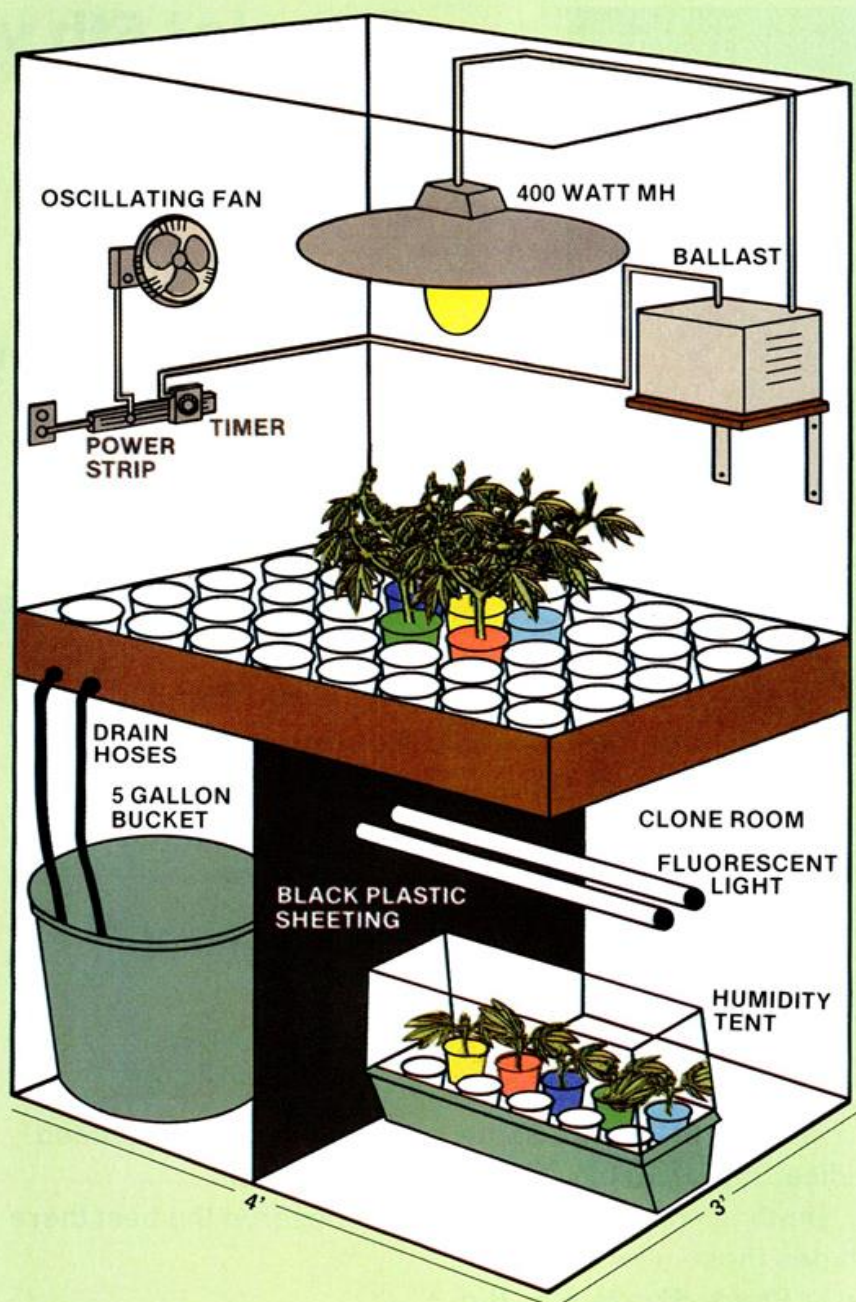
That's correct. The flap is in front so that one has access to the clones. When the flap is down, the light doesn't affect the plants in the upper grow and flower chamber. The heat from such a small bulb won't matter. It will act like a heat mat for the bottom of the table, allowing the root area up top to be warm.

How long do you use clone mix? Do you then switch to the same nutrients that the seeded plants receive?

The clones sit in the clone solution until they have rooted. As the clones use up the solution, one adds nutrient solution to make up the difference. By the time the clones are FULLY rooted they will be on straight nutrient solution, which is the same as the "seeded" plants have been using.

Where do you buy "clone concentrate" and/or nutrient solution for the seedlings?

continued on page 68



PEEL continued from page 44

John Lennon, Jimi Hendrix, and a person like Tom Forcade—you can drive a person to kill himself. Same thing with Brian Jones. Same thing with Jim Morrison. Look at the pattern. Tom Forcade was in a very extreme spot! It can drive a person crazy! Pressure, pressure, pressure.

The pressure of the government investigations, plus a lot of the people he was working with, all that ego and all that fighting—I remember all the paranoia going on—it drives you up the wall, you know? You get to the point that you think there's no way out.

But Tom, God rest his soul, took a daring step making *HIGH TIMES*. To this day, it blows me away. I'm gonna make a statement right now—what *HIGH TIMES* is to magazines, *Have A Marijuana* is to records!

HT: Exactly who is in your backing band, The Lower East Side?

DP: We get different people from the streets to sit in. Like the Plastic Ono Band, see? I don't have a set group of people, because if you do that you start babysitting and controlling them. I don't like doing that.

HT: And you still play live?

DP: We play live, and we play at the Smoke-Ins. As a matter of fact, we performed at the Halloween Smoke-In recently (Oct. 31, 1988—Washington Square Park). We were playing all our underground singles. Our latest song goes like this: (David Peel begins to sing to the tune of "Swing Low, Sweet Chariot"):

Sweet smoke, sweet marijuana/
Everybody wants to get stoned/
Sweet smoke/Sweet
marijuana/Everybody wants to get
stoned/I went to the pusher and
what could I cop/A nickel bag or
an ounce of smoke/Now I know
why in Washington Square Park/
I'm gonna have myself the Pope
smokes dope.

Give me a P, give me an O, give me a T,
what is that smell? What is that smoke?
What does that spell? Pot, pot, pot. What
do you want? Pot. Who's got pot? I want
pot. You want pot. We want pot. Today is
a pot party. Happy Halloween.

The Halloween Smoke-In at Washington Square Park blew away the cops, man. Right in their faces, blowing smoke and everything. I didn't do it, some other people did. I smoke on my own, thank you.

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PEEL

We played the Limelight club here in New York recently. We did all our drug songs, and cultural songs, political and recreational. We also did "Long Live the Grateful Dead". I'm gonna give Jerry Garcia and each member of the band one of my tape singles, called "Long Live the Grateful Dead"—"Dead Heads Forever Dead Heads". They're a rock culture group, and American music survivors from the '60s, too.

HT: What was the Rock Liberation Front?

DP: I began the Rock Liberation Front. I got the idea from the Dylan Liberation Front, which A.J. Webberman started. The RLF was started by musicians to get the music back to the people. "Give the people back their music, or else we're gonna take it from you." We want to make sure concerts are not overpriced, people have access to the stars, to use their expertise as our new teachers, and we want to see a Rock 'n' Roll University at a Free School to educate people into the rock music world. I also founded a charitable organization to help the needy, called The Music Peace Foundation. The first members of the RLF were John and Yoko, Jerry Rubin and Abbie Hoffman, and David Peel. For the record, A.J. Webberman started the Dylan Liberation Front. David Peel organized and began the Rock Liberation Front.

HT: What year did it start?

DP: 1971.

HT: When did it end?

DP: It's still going. As a matter of fact, one of our latest record projects is called *The Yuppie Ghetto* (on Rock Liberation Front Records) with David Peel, Greg Rex and the Lower East Side, with songs like: "Bank of Pigs" and "Yippie To Yuppie." The "Yuppie Ghetto" song goes like this:

"It's the truth this place has changed/And all the people I know are strange/Life in New York has become the living dead/Taken over by the money/Yuppies of Death/In the yuppie ghetto/In the city of sin/Where the yuppies are living/In their prison condominiums/Get the fuck out of New York City/ Yuppie pigs!!

HT: How can people get in touch with you and get some of your records?

DP: I have a catalogue called "Orange Records of David Peel," c/o Orange Records, Post Office Box 1259, Cooper Station, New York, NY 10276.

HT: I've noticed a lot of John Lennon material in your catalogue. What exactly
continued on page 72

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Jerry Speaks!

continued from page 35

of tractors, overground four-wheelers, dump trucks, all that stuff. They're the ones who are going to take the first money out. Then, after the dam is built, the second money comes out. And so on and so on. So, these things tend to be kind of pyramidal.

HT: The way I understand the soils of the rainforest, all the nutrients are on top.

JG: That's right. There is no soil in the total sense. And when you take that away, that's it.

HT: It turns into desert.

JG: There's the stuff called hard pack. It's just clay. Insects don't live in it. Nothing lives in it. So when the rainforest is gone, that's what you've got left, and that's nasty stuff.

This business in Bangladesh—the rainforest was taken down over the last few years. Now they're in the disaster swing. First you get the floods. The remains of what little topsoil there was is gone now. Next, you get the famine that follows from not being able to produce any food on the land. So they're in that cycle now. Now it's the flood followed by disease, followed by the famine. That's it for Bangladesh. It's appalling. Thousands and thousands of people die. This is appallingly wasteful shit.

Meanwhile, in the Brazilian jungles there are all these incredibly subtle genetic things—plants that will cure cancer, cure blindness, cure AIDS. And these Indians know which ones. Those guys are getting poisoned systematically. This is pathetic. That's our store of knowledge and our genetic resources.

HT: I read about a psychotropic Mexican salamander that lives in the rainforest in Guatemala. But the properties of the tail drops off when predators kill them.

JG: That's right.

HT: And they just discovered a new frog that's the most poisonous...

JG: Those poisons are the kind of things that people use for open heart surgery.

HT: Yeah, they can trace the problem to the brain.

JG: Right. It's all this magical shit, you know. It's crazy to lose it and for such dumb reasons.

HT: For hamburger.

JG: For fucking hamburger. That really is a burn. Mickey's got a great story that he tells about his kid. He's six years old, a snappy little kid, and he loves his burgers. Mickey said, "Hey listen, there's these forests that have lots and lots of little animals in them, and crawling things and snakes and lots of things that live in there. And there are people who are taking these forests and cutting down the trees and taking away all the animals. And they're doing it just so they can raise cattle to make the hamburgers that you buy here. If you had your choice between



MICHAEL PUTLAND/RETNA

having the hamburger and letting the forest exist, what would you rather do?" And his kid thought about it for a while, and said, "Yeah, I think I'd rather have the animals than a burger."

Think of what that would mean to those places, if they thought that the five to twelve year olds were capable of deciding not to buy hamburgers—you know what I mean? It would scare the daylight out of them. A grass-roots kid-operated boycott. They would fall way back. That's their crowd.

HT: Or if you could make the dinosaur connection—the kids...

JG: They love dinosaurs, yeah. This is where the dinosaurs used to live, and they understand that.

HT: Kids know all these Latin names of dinosaurs—they memorize them.

JG: I remember I loved dinosaurs myself.

HT: Have you been to the rainforest?

JG: I've been to a couple of them, the Yucatan down in Mexico, that's about the closest to here, and Hawaii. It's definitely not friendly to humans—you're covered with bugs in a matter of seconds—everything eats you. It's weird as hell, but it's an amazing place. From an aesthetic point of view, the world should leave it alone just for that. Just so there is such a place. I feel strongly about that, but that's not good enough. So, finding other reasons has been part of that—here's the reason why we need not to do this.

HT: It's a shame.

JG: Yeah, it is. But as long as we do there are plenty of reasons, too.

HT: You mentioned Mickey being into the marketing aspect of it. For instance, people give money to baby seals and the whales. Nobody gives money to frogs or salamanders—they're not "cute." They don't make nice t-shirts.

JG: The rainforest's animals aren't that cute, like a three-toed sloth—an amazingly uncute animal. They're real slow. They have homely faces and they don't look like much. Orangutans are pretty cute and there are some rainforests that have oranges in them. That's part of it. Part of it is that we have to get off this thing of cute. We have to develop other biases. The fact that humans are being destroyed in this is appalling. They are also being killed. Some of them even are systematically poisoned out. They've dropped in sugar cubes that are loaded with poison and they actually kill humans.

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DR. INDOORS

continued from page 54

don't want to buy it like criminals on the blackmarket. Consumers want quality, but most can't afford the price of domestic cannabis on the market. Unlike "growers," most consumers have limited space to give to growing. They have demanded small compact gardens which would fit into a closet and give maximum yield. Technology has responded to the call. 1989 is about to become the Year of the Closet Garden.

These gardens are multi-level units. Cubic space is used rather than linear. One level of these gardens can flower a mini-sea of green while maintaining 2-4 micro mother plants on a second level. Clones and seedlings grow on shelves on a third level. A closet garden such as this can yield a pound of flowers every 60 days. The consumer has become the producer.

Indoor growing sparked a revolution in "grow" technology, but one still needed to be a grower to use the technology that developed. Closet gardens have made necessary a revolution in applied technology—user-friendly gardens as simple to use as the telephone. Let's look at these changes.

To make the idea of closet gardens work, the concept of growing had to change. No longer could one grow whole plants—not even mini-plants. Instead, clones must be used to take advantage of space and genetic potential. (Clones are pieces of the original plant grown asexually into exact duplicates of the mother plant.) Clones don't need to be "grown" like plants do. Clones don't need to mature like plants do. When rooted, the clones are usable.

Instead of a room of plants, one has an area of clones. Uniform size clones are packed every two square inches. The entire area of clones is then flowered. Sixty days later, this area is a sea of buds. Identical, mature main buds, atop pencil stalks.

Harvesting becomes a different experience. There are no branches to cut, few leaves to be trimmed. The whole clone is pulled, the bud is cut from its stalk and placed into the drying area. As soon as the buds to be harvested are done, new clones are put in their place.

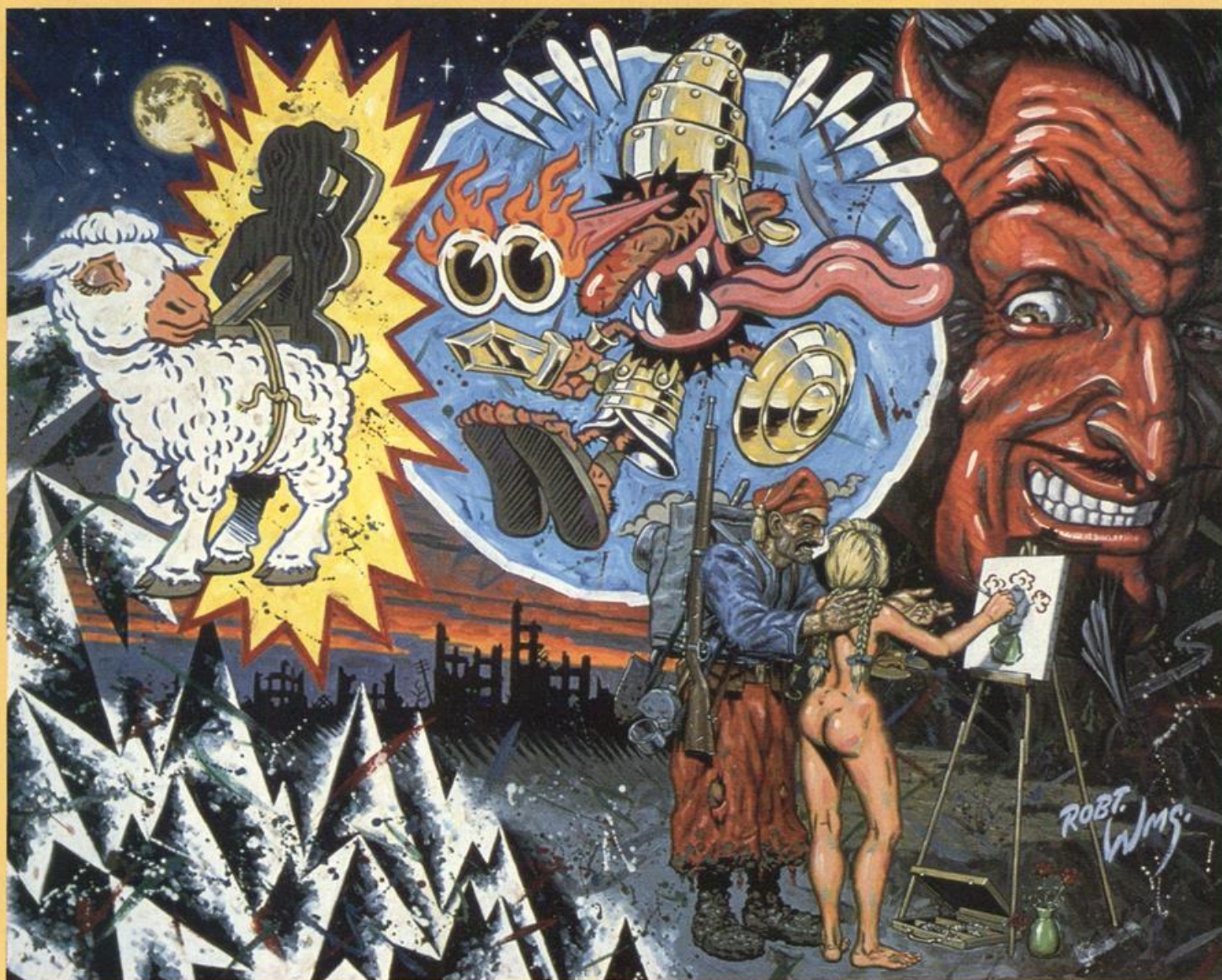
Cloning itself is facing a revolution, as tissue culture gets put into everyday use. No longer will one need to cut a piece of the mother plant to make a clone. Single cells will be grown into mini-plantlets/clones. No more worrying about rooting. Scrape some of the plant into the growth-rooting gel, shake it up, put it into an incubator and wait for the plantlets/clones to grow. Tissue culture will allow for millions of exact clones to be stored in a test-tube size container, awaiting the time they are needed.

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HIGH ART



by Lou Stathis



Lil' Lamby Pie and the Philistine Brothelmonger. *Museum Catalog Title:* The Grand Master of Unfortunately Another Trade Pontificates High Art Appreciation Knowledge to an Eager Novice Whose Experience Factor is About to Exceed Even That of Socrates. *Colloquial Title:* The Non-Commissioned Chicken Hawk and his Lollytot Quail.

ROBERT WILLIAMS

Robert Williams was born with a brush up his butt and a bad attitude in his soul. A product of the deep-fried, oil-slicked, bad-drugged suburban wasteland of mid-century Beaver Cleaver-country USA, Williams is a hot-rodding art-brute whose drool-rich paintings resonate with the howling-beast energy of doggie-style rock'n'roll.

First surfacing in the mid-sixties as art director for the

Ed "Big Daddy" Roth kustom-kar and t-shirt shop, Williams soon found himself hip-deep in the glory days of underground comix, contributing to and/or masterminding such lowlights as *Zap*, (his cover for #4 is a classic), *Felch*, *Jiz*, *Snatch*, and his one-man show *Coochy Cooty Men's Comics*. More recently, he's been indulging his unhealthy painterly urges, cranking out



Pecos Fiona and Her One Woman Range War Against Troglodytal Hipsters. *Museum Catalog Title:* A Frontier Missy Interprets Bad Beat Generation Poetry for the Bay of a Stray Dogie on the Prairie and Compounds Her Confusion About Bohemian Cultural Mores by Allowing Herself to be Physically Associated with Fast Food. *Colloquial Title:* Beatnik Poontang Rustlers "High Noon" It for Blazing Cheekage.



Quest for Cholesterol. *Museum Catalog Title:* Transposing the Pleasure of Dining Over the Basic Desire to Procreate, an Irrational Soul Confuses the Effects of a Prostate Inflammation for a Gastrological Urge. *Colloquial Title:* Scarfin' for Love.



Carne de Amore (The Meat of Love). *Museum Catalog Title:* How Romantic, The Lure of an Illicit Liaison with a Pepper-Hot Contessa Garnished with Guacamole and Frijoles in a Smoke-Filled Adobe Honky-Tonk. *Colloquial Title:* Jalapena Ambush.

dozens of spectacularly perverse canvases packed with well-stacked babes, two-fisted clowns, and projectile eyeballs. Reproductions of these works can be found in two now-out-of-print collections, *The Lowbrow Art of Robert Williams*, and *Zombie Mystery Paintings*, with a new one planned for later this year, tentatively titled *Visual Addiction* (to be published by Last Gasp of San

Francisco).

Other recent items/events of note include *Rigormortis Smile*, a booklet of sketchbook reproductions (Carnage Press, Box 301, West Somerville MA 02144); *Peter Pandemonium*, a play about, he tells us, "child molestation in cartoon form" to which he contributed backdrops; *Felonius Demeanor*, an exhibit of 15

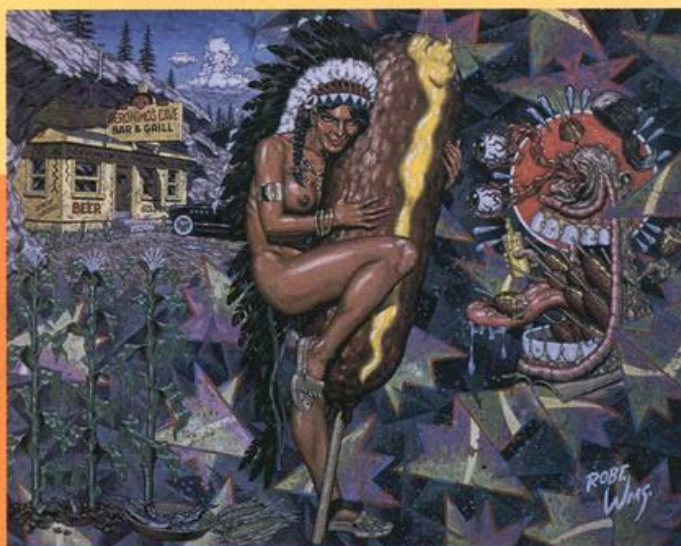


Enchiladas de Amora. *Museum Catalog Title:* Three Aztec Blooded Cactus Whacking Caballeros Give Their Cogent Appraisals of Painfully Hot Pachuco Cuisine but Still Can't Definitely Pin-Point Where Dining Ends and Their Siestas Begin. *Colloquial Title:* Red Snapper Panocha.

The Arapahoe Maiden Who Worshipped a Breaded Weanie But Let Her Mustard Go Brown. *Museum Catalog Title:* Osceola's Daughter Adds the 'Beef Wellington' of Hot Dogs to the Gourmet Menu of Those Who Want to Relive the Smells and Textures of the Midway While Thinking that Corndogs Are Noble and and Are Still Eaten Daily in the Happy Hunting Ground. *Colloquial Title:* Pocahontas's Ptomaine Tube-Steak. ▶

paintings and one bronze at NYC's Psychedelic Solution Gallery that sold out in ten days (one happy buyer was Iggy Pop); and a steady parade of album covers (Guns and Roses' chart-chomping *Appetite For Destruction*, Divine Horsemen, Wiseblood, Ludichrist, Butthole Surfers, Wall of Voodoo, and lots more). Upcoming stuff includes a new issue of *Zap* (his stuff's already done), two hotshit LA gallery shows (April at La Luz de Jesus, and next fall at Tamara Bane), and a threatened movie with devil-dame Lydia Lunch. Whew.

As to the stomach-scouring junk-food motif featured in this month's High Art spread, Williams would only say, "It's all about cheap appetites." Yum-yum, eat 'em up! ●





STEVEN HAGER

Above: Not only does the Sensi Seed shop sell the latest in high tech grow equipment, but they have a cannabis plant growing under a halide in their window. Left: An assortment of homemade hash and buds.

TOO BAD WE HAVE TO LEAVE THE COUNTRY TO TALK TOUR

by Floyd Ferris Landrath

Hi! My name is Floyd. I'm a 37 year old software specialist who had been looking for a unique vacation. When I saw the announcement in HIGH TIMES for the Holland Tour, hosted by Ed Rosenthal, I knew it was for me. I sent in my \$200 non-refundable deposit and began counting the days. Finally, on Sunday, September 11th, I passed through the first of what would be many gates that lead to the "Dutch Scene." From the West Coast to the East Coast, I was on my way.



STEVEN HAGER

The Bulldog Palace, Amsterdam's best-known cannabis coffee shop. Alcohol is available from a bar upstairs; downstairs one can choose hash and sinsemilla from a wide range of options.

Being the first to arrive in the KLM departure area of Kennedy airport, I was trying to catch a few Z's when Stu pulled up in a white stretch limo. I thought, "Here's a guy who really takes his vacations seriously." He told me later that he had me figured for a wild longhaired homeless person. Considering I was huddled in a fetal position, wearing an old green jacket and feeling rather constipated, it wasn't a difficult mistake to make. We had talked on the phone a few days earlier and developed an instant rapport, but meeting me somehow made a rather different impression.

In his mid-twenties, Stu is short and stout, with a very out-going nature. When Stu's mind grasps hold of an idea, he dives into the details, reporting them rapid-fire and leaving me miles behind. One other quality about Stu is his inherent sincerity. The extrovert and introvert met, and the balancing forces laid the foundation for a longtime friendship between us.

Just before boarding KLM flight 642 to Schiphol (the international airport outside of Amsterdam), we set about to find the other tour members. Stu and I did, I'm sure, create some concern and puzzlement among our fellow passengers as we carefully checked out those we thought were likely candidates. "Hi, are you guys with the HIGH TIMES tour?," we asked some dumbfounded passengers. One guy, we were positive, was a DEA agent assigned to follow the tour. Standing nondescript in the queue, he kept a watchful eye on us, through beady eyes. Then the fire broke out.

One of the passengers had thrown a lit cigarette into a trashcan next to the line of passengers getting ready to board KLM 642. I hoped, rather deeply, that this was not a bad omen.

The departure gate staff tried to ignore me as best they could, but I kept sensing stolen glances out of the sides of their eyes. I informed a large, well-shaped woman, in a very sexy KLM uniform, about the fire. She looked at me and said, "Oh yes, it happens at least once a week." Then she went back to doing someone's ticket. These guys did not leave the gate or do windows, if you get my drift. I was getting very, very, very concerned about this whole trip and still no Rosenthal!

Quick thinking Stu had taken the cover off the trashcan

and had separated the smoldering paper before it turned into a full-fledged blaze. Although still smoking, the fire was under control. Stu and I just looked at each other and then went past the point of no return. We went through the gate and boarded the plane. A more inviting smoke was just eight hours away, I hoped.

On the flight, Stu and I found Peter, Bob, Marty, and the couple, Doug and Carol, but still no Rosenthal. For the first time, the tour group was together. Notes were checked, and horror stories about late ticket arrivals and such exchanged. There was an obvious element of disappointment at our host's no-show status and lack of organization in general. The new plan to spend four days in The Hague and two in Amsterdam—(that had been laid on us about two weeks before departure) had not gone over well with any of us. Yet these were party people and party they would, no matter what.

The first obstacle affected Doug and Carol, a very friendly and happy couple, in their early thirties.

Their baggage did not arrive with our flight, due to late check in, caused by the ticket arriving late from the travel agent. The baggage showed up the next day and KLM/Golden Tulip arranged for its shipment to The Hague from Schiphol. At first glance, Peter, a guy in his late thirties, was the most mysterious tour member. Behind tinted glasses, he radiated fear from eyes ringed with dark circles. At first Stu and I suspected he might be DEA (sorry Pete). But Peter turned out to be okay, a pathfinder who went to Amsterdam a day ahead of everyone else. He also served as a guide, since he was the only person in the group who had been to Holland, 17 years ago.

Bob and Marty were from Northern California. Bob was a young, knowledgeable, cannabis expert looking to start a grow store. They introduced all of us to the "Bucket Ripper," a lung-busting, mind-blowing way to get high. When Bob designs and builds a commercial model, it's sure to be an instant hit with true stoners.

Both turned out to be very good on skateboards. Had it not been for the nearly ubiquitous use of cobble stone pavement in the Netherlands, them Dutch Home-boys would have seen some really, man, gnarrrrly, man, really devastating moves!!!, as either of them might have put it. I'm sure they left quite an impression on a couple of dudes

they found surfers on the streets in (where else?) a Dutch shopping mall.

Schiphol was in a fog as our 747 made its bumpy way through the clouds on final approach. At any rate, once safely on the ground we presented ourselves to Dutch Passport Control. Passport in hand, I approached a very unfriendly-looking man sitting behind a counter. I felt sure I had the Scarlet Letter on my forehead and was about to get booted out of Holland. As is usually the case though, my paranoia was unfounded. He simply gave my passport a quick glance, stamped it, and motioned me on, along with the other six.

The train ride to The Hague went over a flat landscape shrouded in mist. It really looked like Holland. Dikes, dark green fields, verdant stands of trees, cows, and, of course, the occasional windmill. There were also several thin strips of land, alongside the train tracks filled with small houses and garden plots. It was explained by a friendly Dutch woman sitting next to me that these were weekend cottages. A lot of city people keep these small houses, no bigger than a small garage, and maintain plots of vegetables and fruits for the family table. It was all very neat but nothing really interesting was growing, if you know what I mean.

We arrived at the Golden Tulip "Green Park" hotel (a most appropriate name I must admit), where we all had our reservations, in more ways than one. I, at first, refused to check in on the grounds that we had been misled by the tour operator and wanted to spend two days in The Hague and four in Amsterdam. So I stubbornly remained in the Green Park lobby.

The hotel concierge (remember Lurch of the *Addams Family*?) apologized for the mistake, but insisted there was nothing he could do, since it had been the responsibility of the tour operator and not his hotel. Besides, the room was fantastic and wouldn't I please get with the program and check in? So, after an honorable pause I did so, and the room was fantastic. If we were to be stuck in The Hague for four days, this was certainly the way to do it.

Although I was burned out from jet travel, the urge to get that first smoke in a "cafe" was too much. Everyone felt the same way, except poor Doug and Carol, who had to stay behind at Schiphol to arrange for their baggage. It was a mild, clear, spring-like afternoon in The Hague. Just made for exploring.

The Sky Cafe became our gateway to the Dutch scene. Like so many small "cafes", it had an ambience that reminded one of a '70s-era disco without the ball mirror and raised stage. Decibel levels exceeded those known to cause permanent deafness. Fortunately, when I requested some Bob Marley, I was met with a favorable and quick response.

I would be amiss if I did not convey my great pleasure at being able to purchase one pre-rolled spliff, a cup of coffee and, upon retiring to my table, smoke it all in. The feeling of liberation was fantastic. I could get used to this!!!

The Sky was of most significance to Stu. He had found his vacation romance, with the bar maid, Fien, a lovely young woman with wavy, light brown hair and close-set green eyes. It was easy to see why Stu was so struck. I think we all were. It was also from Fien that we would meet Mr. X (not his real name), the Great Dane (not his real name either), and Eric.

On the third day, Stu, Bob, Marty and I went along on a trip to a mail order supply house that has made its name in "Tips" filter-tips, for spliff rolling. Mr. X, one of the head

guys, offered to take us on a tour of a "big time" growing operation out in the Dutch countryside. It would only cost \$100 each and there had to be at least five of us to make it happen. Well, although I thanked Mr. X for his kind offer, and speaking only for myself, I pointed out that I had already paid over \$1,000 for a tour that implied that this sort of thing was part of the package in the first place. I also remarked that since Mr. X knew Ed Rosenthal and about the tour (something he told us), he was taking advantage of us. The situation became a bit tense.

Needless to say, that did not go over big with Mr. X and the Great Dane. I quickly realized I had gone off at the mouth again! Somehow, I had pushed the Dane's button. He began going on about how all Americans were just so many "stupid monkeys," responsible for all the problems in the world. I tried to tell him we were not exactly conservative Republicans, but I was constantly interrupted. Giving up, I went into another room, sat down, and contemplated how I would write this part of the story without creating an international incident.

Bob and Stu, though, were like kids in a toy store. Mr. X showed us a sample case of his hash and green collection. It was very impressive. The warehouse was filled with "objets de smoke," games, grow lights, nutrient distribution systems, etc. Stu and Bob bought out the store. The trip to a growing operation? Unfortunately, it never came about. Maybe next time under more favorable conditions.

After a couple of hours, Marty and I split, hitting various "cafes." Later that night, at the hotel, Eric showed up. He had attached himself to Stu and the others. (I never got the story about how that happened.) Eric was a young Dutch man, 22 years old. He was a bit too friendly, accepting and assuming certain favors. He reminded me of other sponges and con artists I had met in past travels. However, Eric gave us a look at the Dutch scene we would have otherwise missed.

Eric spoke, at length, about how the Dutch system of welfare for its citizens worked and how he exploited it. When I asked him if he and others his age might be taking the freedom and liberal benefits his country provided for granted, he replied in his heavy Dutch accent. "Yah! You know, it's true we do. I see that especially when I meet Americans like you who tell me about the homeless, and stupid drug laws over there in the U.S." He then looked at me with a wide grin, nodding his head rapidly.

I don't like to admit it, but it was at these points, late at night, when I would start to fade. While the rest were still hot to trot, I went to sleep. Eric and Fien took Stu, Bob, and Marty to a club called the Beach. That next day at breakfast they looked like zombies.

Here it should be pointed out that the hotel staffs, at both Golden Tulips we stayed at, were very patient, considering we were hardly typical of the hotel's normal clientele and we were in high party gear most the time. That is, until a smoke detector went off in Peter's room.

Peter told us he had been really toking it up when several plainclothes types came rushing into his room, walkie-talkies in hand, yelling something about a fire. When they saw the various types of grass and hash strewn about the table, the pipes, overflowing ashtray, and so on, they suddenly realized what had happened. Apparently, they have a very sensitive smoke detection system and the massive amounts of smoke that was being puffed had just been too much. Unfortunately, there was no audio alarm in the room, just a faint flashing light on the ceiling, which Peter had not seen. So, there was Peter, surrounded by



STEVEN HAGER

Cannabis Castle, home of the Seed Bank.

security men, thinking he was about to get an all expense paid tour of the Dutch jails. Then reality hit. The troop of grey suits just nodded to each other and reminded Peter to be sure all his butts were out. They also requested he leave a window open so they would not have to fumigate. Then they left the room, smoke detector deactivated.

On the fourth day we took the train to Amsterdam. Our first stop was the Info Center (Hash Museum) next to the Sensi Seed Club. There we met Mrs. Bud (not her real name), a young, pretty woman who runs the grow store. She turned us on to some very good homegrown bud that was far superior to anything we had gotten in the "cafes." In the end I'd have to say it was the best I had while in Holland. Although a few "cafes" had some moderately killer Thai and a spacy variety called "B-52," they could not compare with this indoor skunk.

It would be impossible to list all the "cafes" we visited. If you're ever in Holland and need a good guide to the "cafe" scene, pick up *The Golden Blow* or more preferably, *Mellow Pages*. Both guides are available from the Sensi Seed Club.

On day six I needed a break from "cafes," smoking, and the group. Suffice it to say that an early morning encounter led me to a place I had somehow anticipated would be there and an experience I would somehow have while in Holland.

Due to this "lost" day I did not go back to see Mrs. Bud at the Sensi Seed Club, I really wish I could have! Stu and the rest did go back, though, and Bob purchased more material in his quest for the Perfect Growing System. I also heard that a big part of that day was spent satisfying some of our member's libidos.

The tour was now coming to an end. Early the last day, Peter called and asked me to come down to his room and help him smoke some surplus hash. Stu had planned to return to The Hague and have a romantic farewell with his sweet young bar maid, Fien. Unfortunately, he overslept and barely had time to pack before we all left for the airport together.

The scene in the airport was rather frantic, every check-in line at least five deep. After finding out that Peter and I were now on standby, and after having checked his bag, Stu realized that he still had a hash cupcake in his jacket

pocket. Then Peter pulled out some more hash he had forgotten about. We all searched our pockets and handbags for any forgotten substances that could prove embarrassing, to say the least, back in the U.S. The reality of prohibition was slowly beginning to return. We quickly divided up the cupcake and hash and devoured them. It made the flight home much more enjoyable. From this point on, though, the group began to break up.

I intend to stay in touch with Stu and will invite him out to California sometime soon. We're even talking about organizing our own tour for next year, anyone interested? I last saw Bob and Marty wandering off, skateboards in hand, towards their connecting flight to San Francisco. Peter disappeared in the customs line, and Doug and Carol at the baggage pick-up area (I hope they made it this time). To each of them I would like to express my sincere appreciation of having made their acquaintance.

As luck would have it, I got stuck between two drunks on my flight back to the West Coast. They had a grand time making fun of my recently re-acquired habit of rolling tobacco out of a bag. "Whacky Tabaccky, whacky tabaccky," they both taunted, like little school kids. At one point, I thought they were going to snatch it off my lap and play keep-away. Thankfully, I had stashed a joint in my car for the drive out of L.A. and back to my mountain home.

In trying to sum up this somewhat spotty account of the tour I think it is important to note the mix of people who participated and their individual reasons for going. For the money, any of them could have gone just about anywhere. They chose instead to take this tour to experience a freedom not possible at home. I consider the price to be a small one when I consider the mind-opening experiences it provided.

If we use Holland as a yardstick of sorts, and restrict our observations to just this one aspect of how a society deals with cannabis, it can only be said we have a long way to go. When I can walk down a street and spot a beautiful female growing in somebody's front window, I'll know we have arrived. Until then, we must all get off our butts, pull out our wallets, and become active. No cause has ever been won by a silent minority. Nonviolence yes, silence no!

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SEE ED ROSENTHAL'S ARTICLE

Nov. 88 Issue • Page 36 • High Times

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CLOSET GARDEN

continued from page 56

Clone concentrate is available at your favorite grow/hydroponic store in your area. There are many fine nutrients available. These nutrients come in liquid or dry and are sold at the same grow shops. Look at the ads in **HIGH TIMES** and give them a call. They can help you with your growing needs.

When the clones are switched to 12-hour light to induce flowering to determine sex, you say to discard the males as well as the plants under the halide. If the plants under the halide are on a 24-hour cycle how do you know which are males?

I obviously didn't state this clearly enough—I got a lot of mail on this question. When the garden was set up, all the seeds were placed in color-coded cups, as well as being numbered. The clones from each specific plant also have the same color and numbers on it. When the clones are flowered, all one has to do is remove the males. (If you want to make seeds, collect and save the pollen for future use.) As you discard the males take note of their color-coding and number. Using that as a guide, go back to the main plantlets which are under 24-hour light and match the color and numbers to those plantlets. Now you know which of the plantlets are male and you can discard them (or flower them, collect and label the pollen, then discard the plantlets). This will leave you with all females. Now you use the color-coding to pick out the **BEST** females to be the basis for your continuing garden.

How does one take 20 clones from two plants? Where are they taken from? How do I get the 40 clones you mention at the end?

The cloning sites multiply as you take them from the plantlets. Just like the Hydra—when you cut off one head two grow back in its place. Every plant in the main chamber has two main cloning sites as well as several secondary stalks that have received extra growth, due to the cutting of the main stalk. All of these can now be cut for clones. It would be easy to get 4-6 clones from each plantlet at this stage. This adds up to 20-30 clones. The clones below can be cloned, adding another 5 to the total. If you wait till these are rooted, your next cloning could yield 8-10 clones per plantlet up top and 10 from below. When you're ready, the clones to be flowered are moved up to the main area under the halide and the cycle is set to 12 hours.

When you say 24-hour cycle or 12-hour cycle do you mean 24 on, 24 off, or do you mean 24 hours of continuous light?

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ASK ED

continued from page 52

stuff in, until the earth is really soft, then I plant the seeds. I also spike the water with Miracle-Gro.

There are two things to remember about growing pot in Big Creek: (1) Loose lips sink ships—or pot patches, (2) Grow enough.

We have a saying, "You have to grow three patches. One for the law, one for the thieves, and one for yourself. Hopefully the last one was the biggest and best."

Yours forever growing,

—J.C.

Big Creek, KY

TOO MUCH LIGHT?

Dear Ed,

If heat and watering problems are overcome, can a 1000-watt MH be used in an area 36" x 36"? It is a 7' high shower stall painted NASA white.

—Unsigned

Charleston, SC

A 1000-watt lamp would be too bright and might burn the leaves. A 400-watt lamp would keep the garden very bright.

A SMALL LIGHT?

Dear Ed,

I have a space 4' x 6' x 4' high and I plan to buy a 150-watt HPS lamp and a 4' solar shuttle. Will this be adequate light?

How tall should I let the plants get before I flower them?

Sincerely,

—First Time Grower

Danville, VA

A 150-watt lamp will be a bit dim for a room that size. A 400-watt lamp would provide enough light.

The plants should be no taller than one foot when they are placed in flowering.

ROCKWOOL PLANTS?

Dear Ed,

I am setting up a garden in the attic beside my bedroom. The space I plan on growing in is covered with rockwool insulation. I thought rockwool was safe until I read the article "The Dangers of Rockwool" in the October issue. If I grow a few plants in here will the plants pick up the airborne fibers? Is it safe to grow with so much rockwool around?

—Scott

Santa Ana, CA

The danger is not that the plants will pick up the fibers, but that you will breathe them while you are in the room. Make sure that the rockwool is faced, that is, that no bare rockwool is facing out. If some is bare, cover it.

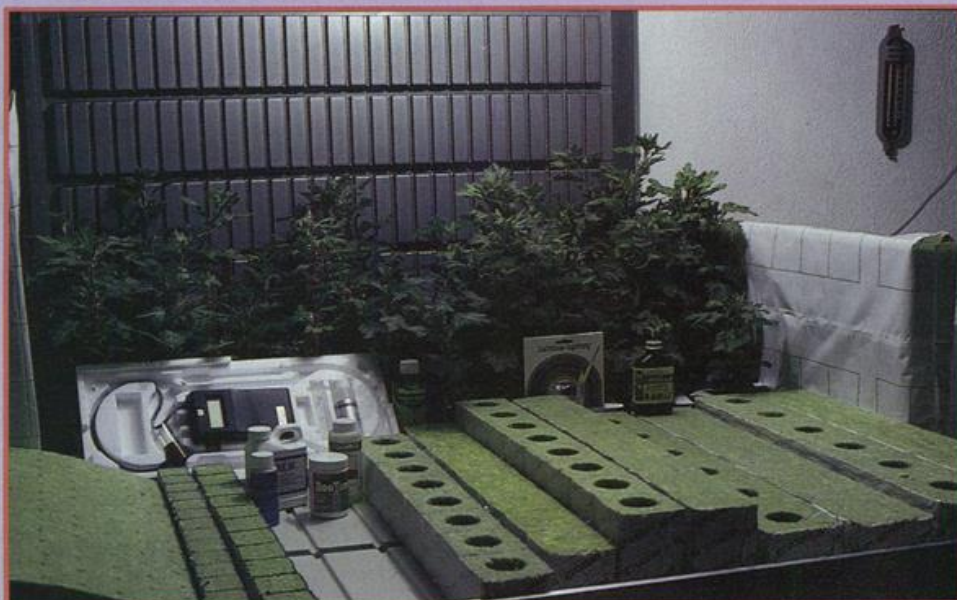
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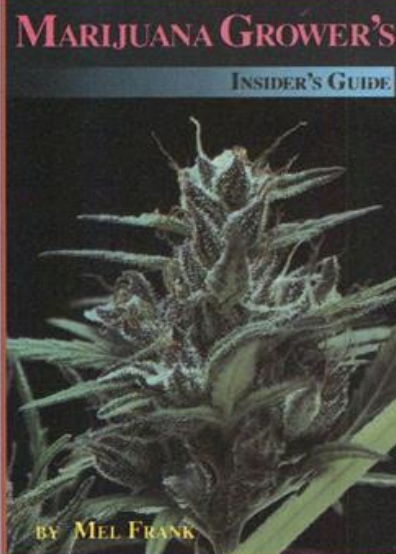
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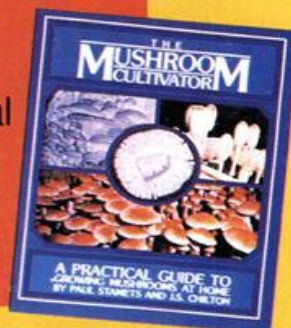
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Jerry Speaks!

continued from page 60

HT: I remember when they were building the Trans-Panama highway, there was a lot of that.

JG: Yeah. They've done that kind of stuff—not quite like it was, but there are lots of tribes whose existence is threatened.

HT: Kill the alien.

JG: That's right. That doesn't seem necessary, either.

HT: This is an election year—shouldn't Bush and Dukakis be saying something about...

JG: They should be, but it's just an indication of how little attention this idea is getting. It's not getting the attention it deserves. They're leaving it alone because they can't deal with it either. And we already have such a twisted policy—I mean, American money is defoliating parts of Colombia for drugs.

HT: And putting dictators in power.

JG: And they're clearing land in other places to grow drugs. I mean, we're giving this signal that's so complex, and our notion of what's helpful is the whole Contra thing and the rest of that stuff. It's like we don't know what side we're on, and neither Dukakis or Bush knows any better than the rest of us.

HT: How can our readers handle this problem if a presidential candidate can't?

JG: Because I think a lot of the important stuff takes place outside the political arena. This is not really inside the realm of politics, or even in the realm of foreign policy, because this has more to do with world economics. The World Bank is the closest thing to a governing board here and the governments of the world defer to the World Bank.

HT: Are you afraid of this being an ongoing thing?

JG: I'm afraid of not being able to solve it. That's what I'm afraid of. But we'll stick with it. We're committed. We'll stick with it until the ball is really rolling. But nobody should mistake us for being the people that can solve this problem, because it's everybody's concern. We don't know how it's going to go, or what the best way to deal with it is, but we will definitely report back with everything we find out about. So we're good for that.

Everything else I don't know.

HT: I guess we can end this here.

Anything you want to add?

JG: No, but we appreciate any help we can get. They can get a hold of us, or any of the organizations. People can write to the president of the World Bank (1818 H Street NW, Washington, DC 20433), too.

HT: Thank you very much.

JG: Yeah.

NEXT MONTH: Part Two of our Grateful Dead Special—Mickey Hart discusses his solo project. ●

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PEEL

continued from page 58

is your history with him? How did you first meet John Lennon?

DP: I met John Lennon on St. Marks Place. A friend of mine ran to my apartment and said, "David, John Lennon and Yoko are in the Limbo Clothes store on St. Mark's Place." So I ran there as quick as possible to meet them. So I walked into the clothes store, and there he was! I shook his hand and said, "Hello, I'm David Peel from Elektra Records. Glad to know you." He shook my hand back and said, "Oh, hi, how are you." And that was it.

Then Howard Smith reintroduced me to John and Yoko. He arranged for them to see me perform in Washington Square Park, where I had a following and everything. It's the old saying, "It's who you know." I was screaming out my Peelosophy in the park as John and Yoko and my audience watched and listened: "No rock singer ever paid to see an audience, so why should an audience pay to see a rock singer?" Pure logic, you know. So what happens is he likes it, and I start singing all my songs. I sang "The Pope Smokes Dope." That turned him on. "Where did he get that song from? I like

HT: Were you auditioning?

DP: I wanted to see if they liked the song or not—little did I realize it was actually for an album.

HT: How did you talk Paul McCartney into singing on your record?

DP: He sang on one song from the album: *Pass On This Side* (ESP Records).

Paul McCartney was a friend of Leslie Fradkin, and they played on the song called "God Bless California". I did the song "To Err Is Human" without the former Beatle/bassman. And the quote from Paul McCartney was, "I never believed I'd see the day that David Peel would be on the same record as me."

HT: It's always seemed incredible to me that you were among the first people the Beatles worked with right after they broke up.

DP: It probably was part of my destiny for this to happen to me. They were definitely broken up, but they were working together at the same music companies. By the way, the Beatles, for the record, put up the money for David Peel's record *The Pope Smokes Dope*. The Beatles were foolish, trying to stop me from doing my record LP. John Lennon was the only one, with Yoko Ono, who defended me about putting the record out on Apple. The Beatles definitely did not want the album out.

DP: Because it's too controversial to even have my picture on the back cover of the *Sometime in New York City* record album with John Lennon and Yoko Ono. I had my picture on there with them, and it also had my name on it, too.

By the way, I could have done very, very well without John and Yoko. I did not need their coaching to do well, although it did help. Once you start to sing about marijuana, man, you're always ahead of yourself. You know, marijuana is bigger than all the Beatles and anyone else in the world.

HT: Did you smoke pot with the Beatles?

DP: No, but I wish I did. I got high with one of them, yes. You know, I got high with the help from my friends. Yes, I would say that. I got a David Peel high with John Lennon.

We did the benefits, also he did a music thing with Frank Zappa during this time, too. Finally, we had our falling out because of the US government pressure on all of us, involving John and Yoko's immigration status.

As a matter of fact, it was me who got Pete Bennett and Geraldo Rivera in touch with John and Yoko in California to do the "One To One" rock music benefit at Madison Square Garden. I was the only one who knew where they were. The benefit was for the retarded kids of Willowbrook on Staten Island. It was one of Geraldo Rivera's pet projects.

For the record again, David Peel and the Lower East Side were the first unofficial Plastic Ono Band for John and Yoko in the United States of America, in 1971. We played in Ann Arbor, Michigan, as the backup band for John and Yoko, and as our own band at the John Sinclair Benefit, Ten for Two. John Sinclair—ten years, two joints, right? Tom Forcade was my manager then. We had enough bodyguards to make the CIA and FBI envious. Tom Forcade made sure that everything was under control, and that nobody bothered us.

HT: Any last thoughts?

DP: I'd just like to say, Tom Forcade will always be in the memory of David Peel from the Lower East Side. And my future music projects will be: 1. "The Tompkins Square Park Riot" album tape (David Peel/Greg Rex and the Lower East Side) 2. World Peace I (an environmental/humanitarian album by David Peel and the Human Race) 3. The Homeless People album tape (David Peel and the Lower East Side) 4. A free rock 'n' roll university school of arts and sciences 5. To perform at all Smoke-Ins and pot protests wherever possible until marijuana is legalized in the United States of America. Have a Marijuana!! ●

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the way that sounds."

And from that point on, he started singing it to himself, then Jerry Rubin arranged for me to see him again, I saw him again in the East Village, on Seventh Street near the Fillmore East.

A friend of mine told me again that he was gonna come to the Village. This time I brought my guitar. And I was ready. So, right away, I sang "The Pope Smokes Dope". John and Yoko joined in, and sang along with my friends, and then the cops told us to move on and that turned all of us off. Jerry was there, I think Abbie was there, and so was John, Yoko, their big limousine, and chauffeur, all part of the Lower East Side band.

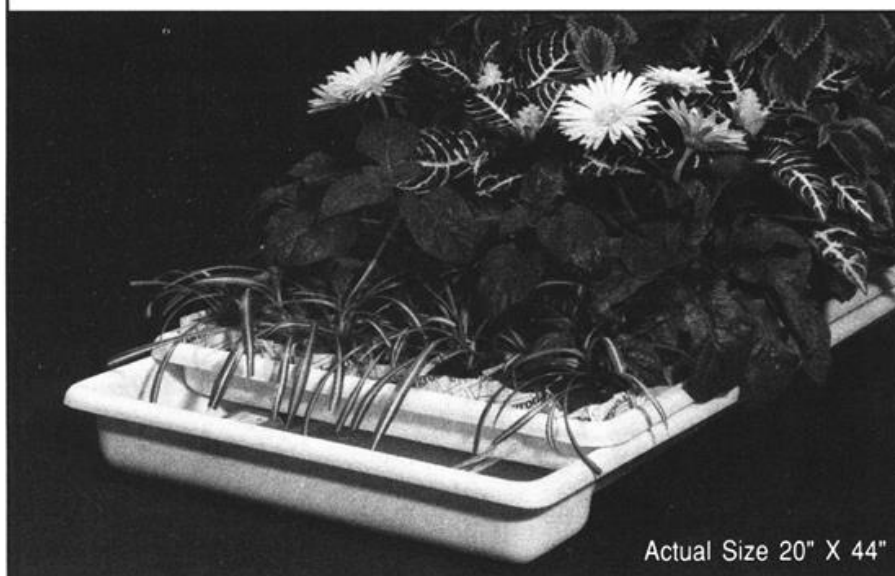
To make a long story short, I went home that weekend and started writing a song called "The Ballad of New York City, John Lennon/Yoko Ono". I told Jerry Rubin, and gave him a copy, he took it to John and Yoko, I had my first audition. There was no doubt in my mind I was gonna pass the test, because it was about them.

(Speaking into the tape recorder as if it were a direct line to The Beatles) But I, David Peel, feel very, very, very honored that you Beatles helped me out. I can't really say you were foolish, but you, as Beatles, made the right decision, whether you liked it or not. You, in your true sense, had no sense of guilt, and had no choice but my instincts to put David Peel on Apple Records for John Lennon and Yoko Ono, *The Pope Smokes Dope*. Thank you very much, I love the Beatles. Bring back the Beatles. Imagine!

HT: What other projects was John Lennon working on at that time?

DP: Three record albums were being done at one time. He had *The Pope Smokes Dope*, *Elephant's Memory*, and *Sometime in New York City*. All three record albums are off the market now. They were not put in any of the Apple Records catalogues, except *Sometime in New York City*. Now that's deleted.

HT: With all the John Lennon hype over the last few years, why won't they re-release your stuff?



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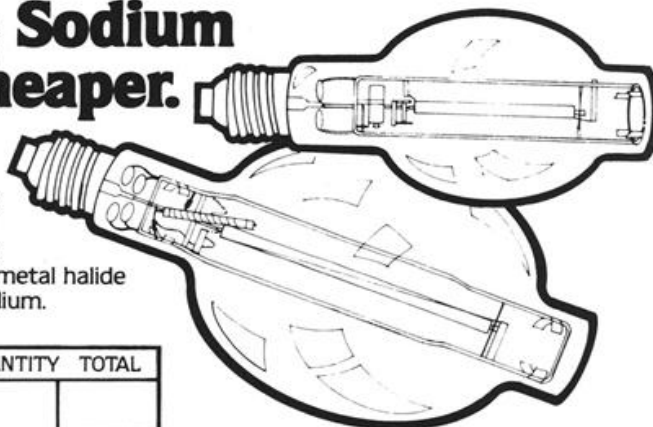
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CLOSET GARDEN

continued from page 68

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The original plantlets have given you two or more main flowers each, three main clones as well as several secondary clones. At the end of the harvest they are done for. You pick them clean of main flower and scrap them. (It is at this stage, before you scrap the females, that you could use the previously collected male pollen to fertilize the remaining small budlets and create seeds for future gardens.)

Where can I get more information on sexing and cloning? How do I tell male from female seeds? While cloning can I transfer plants from inside to outside?

Cloning information can be gotten from a number of sources. A university library will have books on plant propagation. You could get my book *Dr. Indoors Guide to Cannabis* or Robert Clarke's book *Marijuana Botany*. It's not possible to tell female seeds from male seeds. One can certainly differentiate between male and female plantlets at a very early age. If you can't, put clones of each plant under 12-hour light until they show their sex. Why would you want to move your plants outdoors? Outdoors, you have bugs and weather to contend with, snoopers, the law (marijuana eradication teams), seasonal changes, pollution (acid rain, toxic waste), not to mention animals that eat cannabis. Stay indoors in a hidden Garden of Eden. ●

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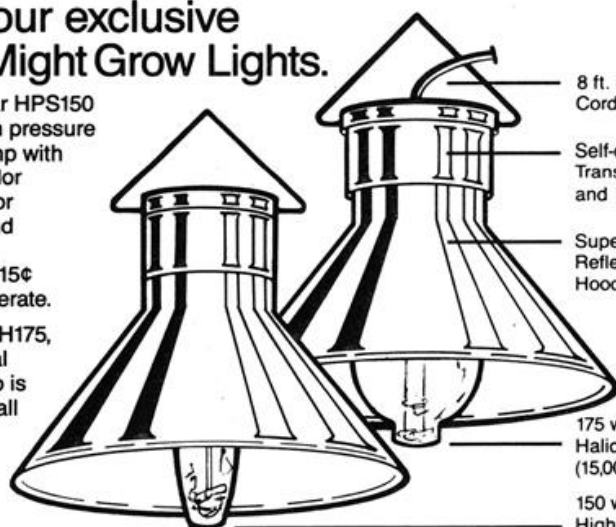


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ASK ED

continued from page 68

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I grow with a 400-watt MH bulb. My plants are trellised and tied down, close to the bulb. There is adequate ventilation, so the leaves do not burn.

The stems closest to the light elongated as it continued to flower. Why?

—G. Budz Grow
Out in OH

Possibly the stems elongated because of the heat near the bulb.

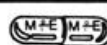
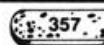
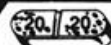
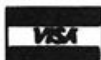
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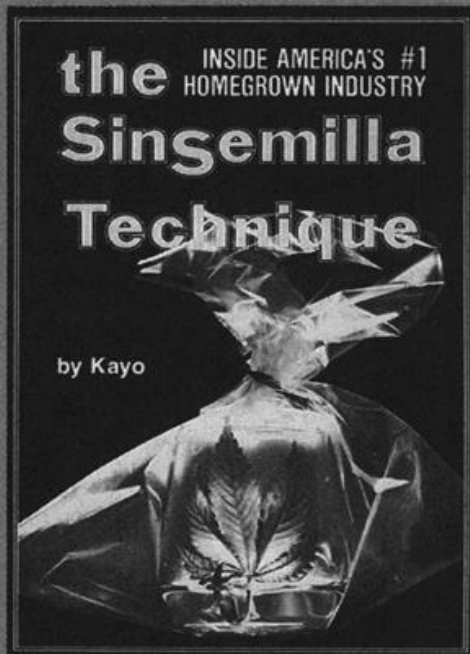
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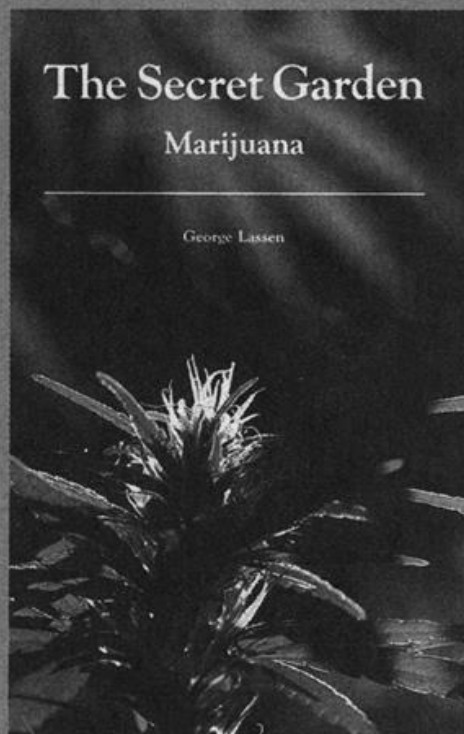
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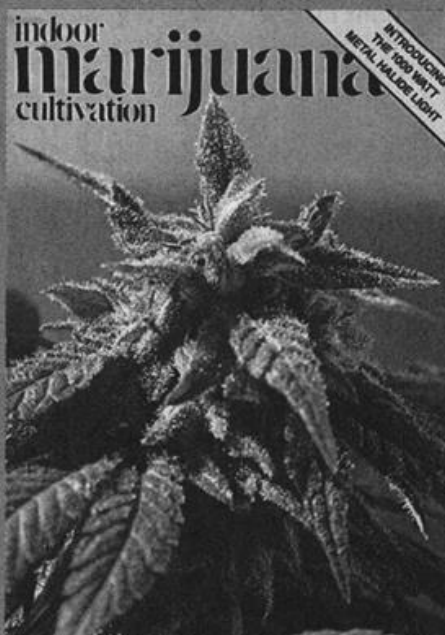
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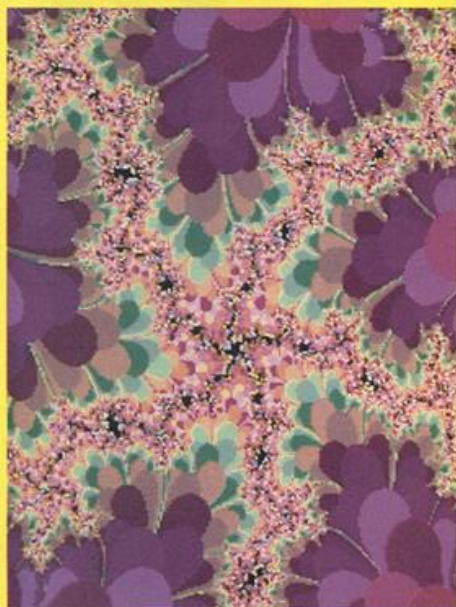
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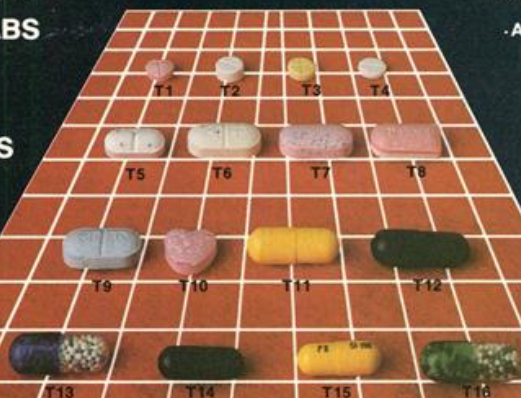
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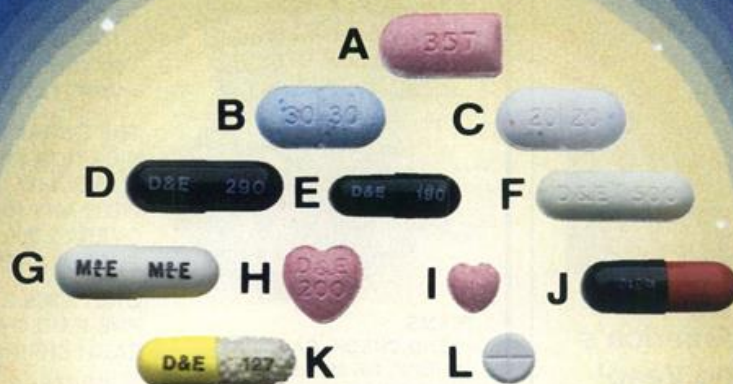
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ASK ED

continued from page 77

AGE AND POTENCY

Dear Ed,

My understanding is that the older the plant, the more potent the buds. Since keeping the lights on continuously throws the plant's age back, what effect does this have on potency?

—Temple

San Bernadino, CA

Both of the theories you mentioned are myths. Neither chronological age nor pre-flowering light patterns affects potency. The main factors are genetics, and the ripeness of the bud.

SMOKE, THE "TILT" AND CANCER

Dear Ed,

I read in your column about a pipe called the "Tilt" which did not burn the marijuana but only vaporized the oils present. Would smoking in this way reduce the risk of lung cancer? Where can I get one?

—The Fool Forever Thinking,

—Brandon

Manitoba, Canada

The "Tilt" is unavailable. Unfortunately for consumers and the manufacturer, the anti-paraphernalia hysteria started up just as the pipe entered the marketplace.

The pipe has a heating element under a removable tray on which the cannabis is placed. The material is heated to the point where the THC evaporates and is then vaporized, leaving the vegetative material on the tray. Many of the carcinogenic compounds found in cannabis result from the burning vegetative material. Since no vegetative material is burned using this technique, less harmful material reaches the lungs.

STORING SEEDS

Dear Ed,

I just bought over 15 varieties of seed, but I am only using 3 or 4 of each kind.

How can I store the extras for a couple of years?

Long live the bud,

—Dave C.

Los Angeles, CA

Place the seeds in an airtight container with a dessicant. Seeds can be stored in the refrigerator this way for 1 to 2 years. For longer periods, they can be stored in the freezer. However, every freeze and thaw cycle will damage some of the seeds.

MEDIUM, FERTILIZER AND PESTS

Dear Ed,

I have a Hydro-Farm 4 unit with an ebb and flow system. Can I use pea gravel, perlite, and vermiculite as the medium? Can I use bat guano as a tea for fertilizer?

Using hydroponics, will the plants be susceptible to spider mite infections?

—Big Al

Bristol, VA

Yes, a combination of pea gravel, perlite, and vermiculite can be used in the system. However, pea gravel alone works just as well or even better because more oxygen gets to the roots. If you do use the combination, add styrofoam to the mix to dry it out a bit.

Bat guano can be mixed into a tea to fertilize the plants organically. Other possible fertilizers are fish emulsion, blood meal, potash, and various manures.

The plant leaves and stems will be susceptible to the same infections as plants grown in soil.

A CAT'S PLEA

Dear Ed,

My cat loves marijuana leaves. He sits outside the grow room door crying until he gets some. Can the grass hurt him in any way and does he really get high from it?

—No Name

Phoenix, AZ

The cat obviously gets high from the grass or else he would not cry for it. If he has not had adverse reactions as yet, the pot probably does not hurt him.

Have you tried giving the creature catnip? It is considerably cheaper than grass.

OXYGENATED WATER

Dear Ed,

One way to give clones a head start is to oxygenate the water. I do this by filling a container halfway with water then sealing it. I shake it vigorously for a few moments. As you remove the lid you will notice that there is a partial vacuum—some of the air dissolved in the water.

—The Slasher

Ann Arbor, MI

• I welcome comments, tips, and questions regarding marijuana and marijuana cultivation. Send all letters to Ask Ed, HIGH TIMES, 211 E. 43rd St., New York, NY 10017. Also send entries for the Bud, Plant, and Garden of the Month Contests. All correspondents whose letters or photos are used will receive a free copy of my book, Marijuana Growers Handbook, Indoor/Greenhouse Edition.

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MARIJUANA METHANE



continued from page 42

or wars by foreign nations, i.e. OPEC, Khomeni's Iran, etc., can virtually hold the U.S. hostage. Methanol and other methods deserve serious investigation—and certainly no governmental or bureaucratic impediment to the most efficient growing celluloses of all—hemp, cornstalks, sugarcane. In fact, Brazil in 1984 ran one-million, two-hundred-thousand (1,200,000) cars on methanol made from sugarcane stalks.

Depending on the methanol used to produce it, methanol can be *retailed* for about \$6.00 per barrel or 15 cents per gallon. The cellulose used in methanol production may be obtained from cornstalks, wood, or even lawn trimmings. *Science Digest* (a Hearst publication) reported in 1983 that "over" fifty percent of America's automotive gasoline needs could be fulfilled through an aggressive program of recycling the cellulose contained in just our waste paper alone!—That bears repeating: fifty percent of all America's gas for cars can come from recycling waste paper, right now!

Then—depending on which U.S. Agricultural report is correct—a full-grown hemp plant can provide about 4 to 50—to even 100 times the cellulose found in cornstalk, the planet's next highest annual cellulose plant. Hemp can, in most places, be harvested twice a year, and in warmer areas, such as Southern California, Texas, Florida, and the like, it could be a "year round" crop.

The United States government pays (in cash or in "kind") for farmers to refrain from growing on 89 million acres of farmland each year, called the *soil bank*. Ten million of these acres in hemp would be the equivalent of 40 million to 500 million acres of cornstalks—(given the difference for C-3 plants and C-4 plants **METHANE POTENTIAL**) enough to run America, with the recycling of paper, etc.—virtually without oil except as petroleum fertilizer. And 10 to 89 million acres of hemp or cornstalks plus its corn would make it (energy) a whole new ballgame. ●

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DR. INDOORS

continued from page 60

Closet gardens have new lighting needs. The standard metal halide is too big for the area. This has led to the development of more efficient halides which are used horizontally for better use of space and consume less power. Four hundred-watt metal halides are now the giant bulbs, with 175 watt bulbs becoming the standard for the closet garden. Fluorescent bulbs make a return in the clone/seedling area of the closet garden.

To control these gardens has become as easy as using a microwave oven. There are no timers to be adjusted. No wiring to be done. The controls are a touch-pad which have a read out. One sets the time, checks the readout, and presses "enter." If the garden needs water or a pH change the touch-pad beeps and on the screen it says add water or change the pH—a truly user-friendly garden.

Hydroponic development has kept pace with the closet garden revolution. Units are being designed to give everyone the type of system they want, be it sub-irrigation, nutriponic, or drip. All are being miniaturized to fit the closet application.

The consumer need only worry about genetics. With the current state of genetic development, the consumer need only pick up a catalog, read the description, and order the perfect seed stock for the closet garden. Great cannabis is available to anyone. Seed banks allow consumers to buy uniform plants of specific types. Consumers know ahead of time what the harvest will be like.

Closet growing has its political side as well. The consumer becomes the producer. Everyone can have great cannabis without the danger of buying it. The market is in for a shock. The closet garden kills the "criminal" market. No one will buy cannabis if they can grow it with no technological skills. No black market means children's access to cannabis and other drugs by association will end. It also means the consumer now faces the forfeiture law as well as zero tolerance. It's no longer the "other" guy who will get zapped. This means everyone's safety lies in supporting NORML. No one should be a criminal for growing their own.

Over the next year I'll keep everyone informed as to new developments in closet gardens. Look for future articles which will show step-by-step the concept of closet growing. All you HIGH TIMES readers/consumers have to do is support NORML.

Dr. Indoors will also be running the first-ever head-to-head test of every major hydroponic unit on the market. It looks like an exciting year ahead. I declare 1989 to be the Year of the Closet Garden. Let the growing begin. ●

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THE ULTIMATE PARTY MAGAZINE

February 1989

LOST WOMEN

by Michael Weldon

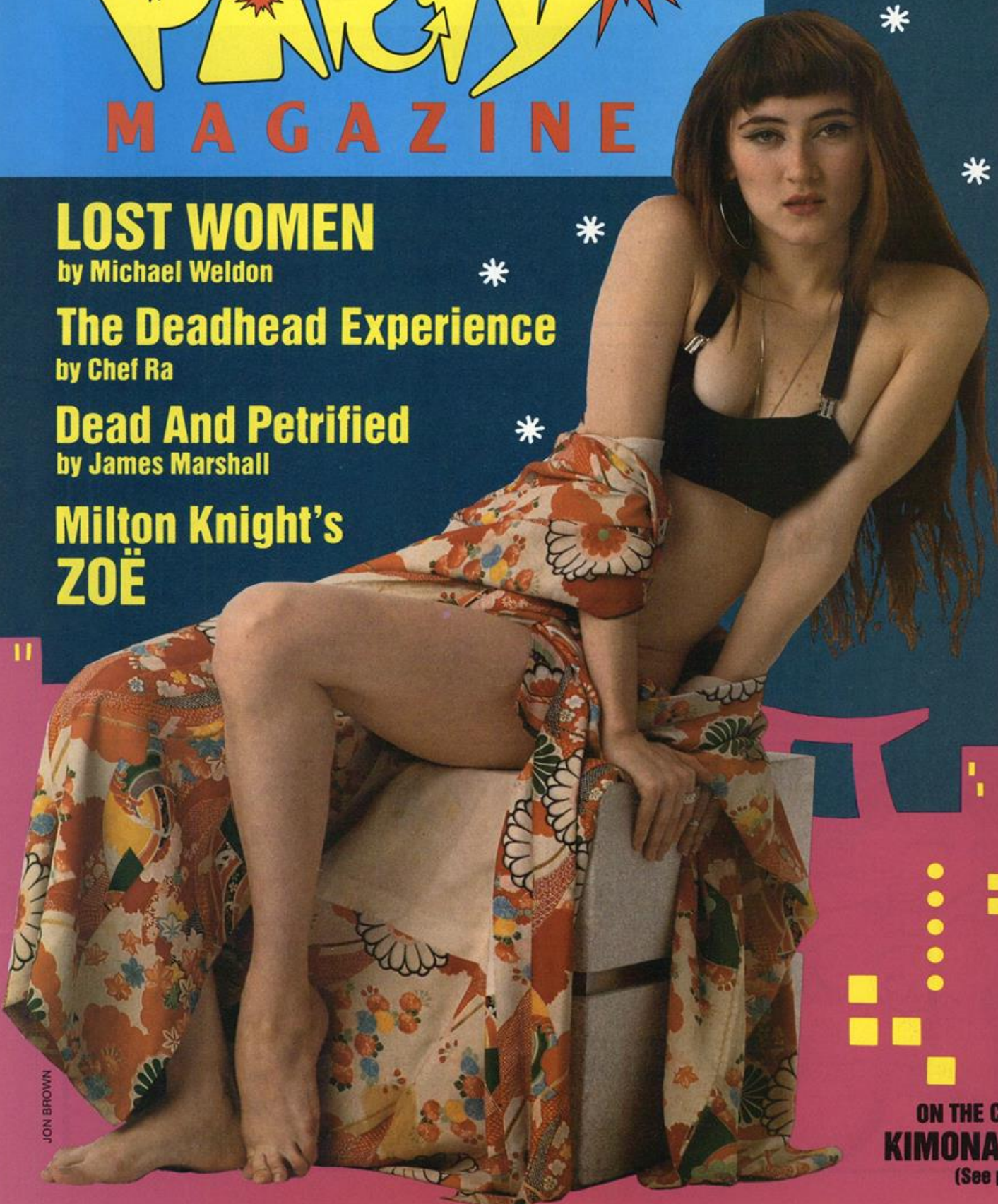
The Deadhead Experience

by Chef Ra

Dead And Petrified

by James Marshall

Milton Knight's ZOE



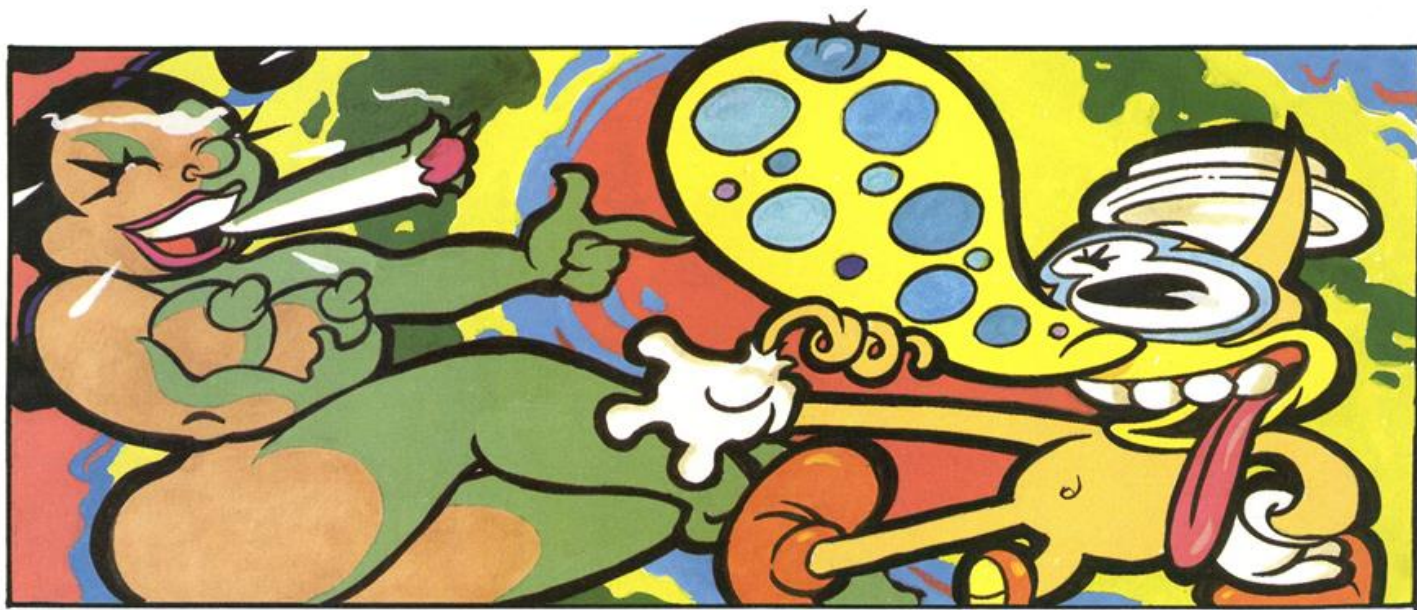
JON BROWN

ON THE COVER:
KIMONA 117
(See page 92)

Zoë

by KNIGHT







MARK FERRI

The Wildcats ▲

Meet The Wildcats — an authentic, all-female, biker club who hang out in New York City. They promised that if we printed their picture, they'd invite us to their parties, and that they wouldn't beat the crap out of us as long as we said something nice. By the way, did we mention that The Wildcats are real fun dates? [Left to right: (standing) Zanne, Patti, Leslie Bird, Chris, (on motorcycle) Jackie, (sitting) Leslie, Sage, and Kim.]

On the cover: ▶ Kimona 117

The Ultimate Party Magazine's cover girl this month is Kimona One-Seventeen. A native of New York City, she can be seen performing at the hottest downtown nightclubs, singing backup for Steve Fraser and the Wild Hearts, the Soul Assassins, and other rock 'n' roll garage groups. Her PR guy swears she's "an exciting blend of R&B girl, blue-eyed soul, and Klassic Kabuki who will take the country by tsunami!"



JON BROWN

TWISTED IMAGE by Ace Backwards ©1988



RASTA RECIPES

by CHEF RA



JAMES WILSON

Have you ever been to a big party where everyone was jammin' to the break of dawn? A party where people were hangin' in the hallways, couples sneakin' down in the basement for a quickie, the living room full of sweaty dancin' bodies bobbing around like rubber duckies in a bathtub? Then you fight your way to the rear of the party to "chill out" and smoke a sweet stick of weed. And all of a sudden you find yourself in the kitchen!!

There's a reason why you naturally gravitate toward the kitchen. It's because the kitchen invokes a feeling of warmth and peace, a true natural mythic feeling!! The kitchen always represents a different atmosphere at most parties. The kitchen is where you find most people who want to socialize, rap, and discuss the burning intellectual topics of the day! Also, the music might be different from the throbbing disco or thrash that the freaky deakies are dancing to!! In the kitchen there might be a lonely ghetto blaster loaded up with a cassette of the Grateful Dead!!

So, here we are at the party, a few Deadheads hangin' around, talkin' about the "roots" of the "Deadhead experience." A few of my friends have been to over a hundred shows since the '60s. I remember walking into the local record stores in the summer of '67 and spying a album cover with an exploding sun and a tripped-out Uncle Sam. I said to myself, "This crazy-ass band has got to be for me!!" The rest is history. The band's music would open new doors of perception!!

The "Deadhead Experience" roots itself in '60s hippie communalism. This communalism—free shows in Golden Gate Park, the Diggers' free clothes, Hog Farm's free food, music for the people—gave rise to the outdoor festival concept which later spawned the great

Woodstock Nation festival. The Deadhead scene has become an extension of the counter-culture nation! Sharing the bread—passin' the joint around amongst all your friends! (We can share the women, we can share the wine). The circle just seems to grow bigger as the years have gone by.

Nowadays Deadheads come in every age, and many different shades, but there is something that should never die as we move further away from the '60s, and that is the concept of "Social Living." Social living means contributing all you can to help the planet Earth, its animals, and your fellow human beings. After you have done your part, then party your fucking ass off!! Social living is going on tour with the band, sharing a small subcompact or van with bunches of friends. Sharing your food and drugs, and even sharing precious airspace in the car with your smelly, organically funky friends who haven't took showers in a week!! If you're HIGH enough, who gives a fuck!

The music of the Dead keeps us jammin', it binds us together and ties us over thru good times and bad times. The Dead are the stewards of a still vibrant cultural revolutionary movement, jammin' right thru the '60s till the present. Chef Ra is still jammin' too, and sometimes, I think about all those hippies who cut their hair and gave up the movement and moved on to be the yuppies and straight people of the world. Chef Ra knows you're all still hippies at heart! Just let the good vibes flow once again! And to all the younger "HEADS"—you just keep on jammin' yo' ass off, and don't let nobody tell you this can't be a better world to live in, just have "GOOD LOVIN'!! It's not the physical trappings of a person, or the "style and fashion," but what is in your heart. Just KEEP ON TRUCKIN'!!

Deadheads chow down on some psychedelic pizza (left to right): Sugar Magnolia, Chef Ra, and the "Super Taper" dude (who tapes every Dead show he can!).

CHEF RA'S ZA (Psychedelic Pizza)

When I walk around at a DEAD show there is always someone who asks me "Where's the herb, mon?" "We can't find no herb," the Deadheads always say. And the reason why there never is much herb at a Dead Show is because everybody wants to trip and dose around all over the place. So in honor of all the 'Heads, Chef Ra has a dish this month called "Ra's Za!!"

Go out and buy a frozen bread dough or pizza mix and roll out a nice crust on a greased pan. Add the following ingredients on the Ra's Za pizza.

2 cups shredded mozzarella cheese
1 medium onion
1 small green pepper
3 cloves fresh garlic, chopped
1 cup chopped basil (fresh)
1 teaspoon oregano
1 teaspoon thyme

Pizza sauce (mix one 8 oz. can of tomato sauce with Italian seasoning mix—1 tsp. basil, 1 tsp. oregano, 1 tsp. thyme, and a pinch of pepper)

Take a tablespoon of olive oil and cook onion, pepper, garlic in a pan, then set aside. Preheat oven to 400 degrees. Add pizza sauce plus herbs (you can add a little sinisi), and cooked mixture to top of pizza dough in 12-inch pizza pan. Cook for 8 minutes until partially done. Remove partially done Za from oven. Then add the key ingredient—magic mushroom. Add 1 1/2 grams for each slice per person then add cheese over 'shrooms. Cook for another 8 minutes or until done. ●

LOST WOMEN

by Michael J. Weldon

This month we're gonna take a look at LOST WOMEN. Not the kind that are guest victims on the next Donahue or Oprah, I'm talking about entire lost female tribes and civilizations in old movies that used to show up a lot at three AM on local TV channels.

Usually, a small group of men accidentally discover the women. The guys include an older reserved captain or scientist, a handsome, cool, young officer (for the women to fight over), and one or two normal, American, wisecracking, horny guys (sometimes with Bronx accents) who think they've gone to heaven but don't know where to start.

The women can be on an island, in the jungle, or in outer space. They usually hate men (at least when the movie starts), but sometimes they just have to learn what men are. Some races of lost women have their own language, some just grunt, others speak very cultured English. One thing they all have in common is they look sexy, dress sexy, and even if they're primitive, they use eyeliner, lipstick, lots of Nair, and have fashionable hairstyles.

In the spring of 1945, while the war in Europe was winding down, RKO released *Tarzan and the Amazons*. In real life, Johnny Weissmuller was married six times, but—despite a whole tribe of friendly, beautiful women wearing short leopard-skin dresses, he only had eyes for Jane. Anyway, these amazons obeyed their old queen, played by Maria Ouspenskaya (better known for being a wolfman expert).

In two pretty obscure and very cheap 1947 movies, actresses got to rule female tribes. Amira Moustafa was the *Queen of the Amazons* (Lippert). Her tribe was made up of ladies who had been shipwrecked and decided to leave civilization (and men) behind. Gale Sherwood was Meelah in *Blond Savage* (Eagle Lion). Check out *It Came From Hollywood* (1982) for a hard-to-believe scene with Sherwood (who later became Nelson Eddy's singing partner) belting out a jungle chant to her excited followers.

Prehistoric Women ('50, Eagle Lion) was in "Gorgeous Cinecolor!" and featured a battle with a 8'3" giant and an attack from a dragon that looks more like a bird.



Laurette Luez carries some raw meat up to her tree hut in a scene from the 1950 version of *Prehistoric Women*.

Laurette Luez was Queen Tigri and Allan Nixon was a caveman. An offscreen narrator translates their grunts. This one's a riot and it's available from Rhino video (1201 Olympic Blvd., Santa Monica, CA 90404).

In 1952 the *Untamed Women* (United Artists) were "savage beauties who feared no animal... yet fell before the touch of men!" They were also descendents of ancient Druids, living peacefully without men until four American soldiers were shot down over their uncharted island during the war. This classic story features a bad tribe of "hairy men" on the next-door island, "stock-footage lizards as dinosaur" scenes, and is told by a lone male survivor to Lyle Talbot.

Mesa of Lost Women ('52 Howco) is a uniquely mind-numbing grade Z experience which is credited to two directors and has some cosmic connections to Ed Wood Jr. of *Plan Nine From Outer Space* fame. A pre-Uncle Fester Jackie Coogan is a mad scientist hiding out in the Mexican desert creating a race of killer "Spider Women" played by actresses who are also from Ed Wood movies. Lyle Talbot, a vet of several Wood movies (and *The Ozzie and Harriet*

Show) narrates, just like he did for *Prehistoric Women*. Even the music (some guy strumming chords on a guitar) was later reused in another Wood epic. Allan Nixon (see *Prehistoric Women* again) is the hero. Don't miss it!

Abbott and Costello Go To Mars (Universal) features a trip to Venus, populated with contestants from the 1953 Miss Universe contest (including Anita Ekberg). Mari Blanchard is Queen Alura. *Cat Women of the Moon* (Astor) used the same idea (and more beauty pageant contestants) plus it's in 3D and is funnier than the comedy it copied. With Sonny Tufts and Marie Windsor and "cat women" in black leotards (both 1953).

Roger Corman's *She Gods of Shark Reef* ('56, AIP) was filmed in color in Hawaii. Two brothers (one good, one rotten) go to an island inhabited with pearl-diving women who practice human sacrifices.

Fire Maidens From Outer Space ('56, Topaz) was sort of a British version of *Cat Women of the Moon*. Women on the planet Jupiter, and originally from Atlantis, dance the "Dance of Desire" for Sonny Tufts and other Earthmen. A guy in a monster mask attacks.



The famous *Queen of Outer Space* was a 1958 wide screen color release from Allied Artists. This time the man-haters are on Venus, and the Earth astronauts are faced with a giant spider. The queen hates men because her face was scarred by them in a war. Former Miss Hungary, Zsa Zsa Gabor (who's been married two more times than Johnny Weissmuller so far), stops her from blowing up Earth and saves the confused men.

Wild Women of Wongo ('58, Walcot) took place back on Earth. Its ridiculous plot features beautiful cave women on an island with ugly men, and a nearby island of handsome men and ugly women. What a concept! And it was filmed in Florida in Pathecolor!

Missile to the Moon ('59, Astor) was actually an even cheaper remake of *Cat Women of the Moon* with a killer spider puppet, juvenile delinquents, hilarious rock men, and space women in gold lamé bathing suits.

Colossus and the Amazons ('60) was made in Italy. These amazons use men for breeding purposes only. Colossus visits. (By 1960, all lost women were in color.)

Mermaids of Tiburon ('62, Art Films) features Timothy Carey searching for a treasure guarded by a race of mermaids. In the 1965 adults only re-release called *Aqua Sex*, they're topless. A logical first. (Where is this movie now?!!)

The Women of the Prehistoric Planet ('65, Realart) starred John Agar and Wendell Corey as astronauts who land on a planet with more stock-footage lizards and the standard floppy space spider. They introduce Adam to Eve and name the planet Earth (!!!). The British Hammer studios released its own *Prehistoric Women* in '67. It had Martine Beswick as the cruel Queen Kari, whose dark-haired tribe keeps blondes for slaves. A male hunter (who might be dreaming it all) falls in love with a slave. Hammer also made *The Viking Queen* the same year with some similar ideas. *The Million Eyes of Su-Muru* (also from England) starred Shirley Eaton (the original *Avengers* partner), out to destroy the world with her all-female army.

Voyage to the Planet of Prehistoric Women ('68, AIP) starred Mamie Van Doren as the leader of a tribe of telepathic alien women wearing clam shell bikinis, who worship a dead pterodactyl. Her scenes, directed by Peter Bogdanovich, were added to a Russian science fiction movie that Roger Corman had bought and reused several times; another classic that uses narration to try to establish a plot.

The Spanish/German/American production *Rio 70* had Shirley Eaton back as *Su-Muru*, with an all-female village of killers in the Amazon. With George Sanders, who was once married to Zsa Zsa



The 1967 version of Prehistoric Women starred Martine Beswick (above, right) as Queen Kari.

from *Queen of Outer Space*.

You might notice that the last lost women movie filmed in the US was in 1965. The next one was from the land of Marcos. *Wonder Women* starred Nancy Kwan as the evil Dr. Su, with another all-female army, kidnapping male athletes for their spare parts.

Next we turn to the small screen. *Planet Earth* (ABC) was a pretty modern, almost feminist, story from *Star Trek* producer Gene Roddenberry. In the future, an all-female society uses men ("Dinks") as slaves. John Saxon and his buddy Ted (Lurch) Cassidy help the women fight off Nazi-style mutants and Saxon saves the future of mankind in the bedroom. *Gold of the Amazon Women* ('79, NBC) was a typically ridiculous look back at the good old days of lost women movies. Directed by

Mark L. Lester (*Truck Stop Women*) it featured the return of Anita Ekberg (as Queen Na-Eela). Bo Svenson and Donald Pleasance want the women's gold. *Frankenstein's Island* ('81?, probably earlier) is dumber than all the movies listed so far. It was directed by Jerry Warren (*Teenage Zombies*), then sat on the shelf for years. Warren (who died in '88) lived just long enough to see his last masterpiece released on video. The island includes mad scientists, zombies, Cameron Mitchell as a sea captain used for blood transfusions, the ghost of John Carradine, a Frankenstein monster, and a race of jungle women in leopard-skin bikinis (from outer space) who help the shipwrecked men. In the hard to believe, often senseless tradition of *Mesa of Lost Women*, I think (or hope) this is the last word on the subject. ●

HOUND'S EYE

by JAMES MARSHALL



GARY GERSHOFF/RETNA

Jerry Garcia.

As a teenager I hated the Grateful Dead with a vengeance. At age 14, I was dragged to a Dead show to watch hairy-legged women and hairy-faced

men shimmy to the good vibes of the Nixon era. I fell asleep 20 minutes into "Big Boss Man", woke up an hour later and—wouldn't you know it—

they were still playing "Big Boss Man". I passed my teen years listening to the Stooges and the Velvet Underground, collecting grungy old rockabilly, R&B and garage records, and reading PUNK magazine which seemed to hate the Grateful Dead and all it stood for as much as I did. Now I'm an adult of sorts, I work for John Holmstrom (founder/publisher/editor of PUNK, my teen bible) who informs me that this issue is a special Dead issue. Figuring this would be a good way to get the hate mail up, I sharpen my pen and find, alas, I couldn't be bothered hating the Dead. Compared to the rest of the music scene in this post-punk yuppie Reagan era the Dead come off as reasonably okay guys. Jerry Garcia is offhanded and intelligent in interviews in a way Springsteen or Sting could never be. And if their fans seem stuck in some inane nostalgic time warp (nostalgic for what? Sleeping in mud and listening to endless choruses of raga scales, played over and over), it seems slightly healthier than the clean-cut robo-teens in beige chinos and razor-cut hair I see wandering around the malls these days.

So in 1989, when Barry Goldwater seems reasonable, I don't really hate the Dead anymore. There's bigger and uglier targets out there. ●



Bob Dylan.

What I do like this month is Buck Owens' latest single "Hot Dog" (Capitol), a re-make of the 1958 rockabilly disc he cut under the nom de plume Corky Jones, and featuring a wailing guitar solo from Buck himself. The flip is a fine re-recording of "Second Fiddle" and the LP should be out any day now. Can't wait. Only complaint is the echoed out "sound of the '80s" drum sound I hate so much.

I also like Jack Starr's *Born Petrified* (Norton), vintage recordings by this Texas Madman which split between his psychotic rockabilly stylings (late '50s) and his later more garage-oriented '60s sounds. You can even hear him screaming at his mom like a backwoods Rupert Pupkin. *The Mighty Caesars*—*Thusly* (Crypt) is modern garage rock so relentlessly trashy and musically unredeeming

it's astounding that anyone would commit it to vinyl. *Louie's Limbo Lounge* (Las Vegas Grind Vol. 20) is yet another crazed volume, mixing disturbing rock'n'roll instrumentals like Art Roberts' "Give Her the Ax, Max" and the Periscopes' "Beaver Shot" with mindbogglingly undecipherable oddities such as Barbra & the Boys' "Hooty Sapperticker", for a listening experience quite unlike anything else (except Vol. 1, maybe). Also like to mention two of the best live shows I saw all year by guys I would've given up for brain-dead years ago. Iggy Pop has been putting on amazing shows all year, doing mostly old Stooges tunes like "Penetration" and "Scene of the Crime" and flailing himself around the stage (and into the audience) in a way he hasn't in a good 15 years or so. Bob Dylan was the other big surprise, his show, backed by a three-piece band, featured much crude and great lead guitar from Bob himself—and no fucking harmonica—thank God he finally put that thing to rest—and a surprisingly excellent song selection of both electric and acoustic stuff of mostly pre-'66 material. ●

THE TOP 100

1. **GRATEFUL DEAD**
CHRIS AND GREG'S
2. **ULTIMATE PARTY HOUSE**
CHICAGO'S NORTHSIDE (AKA PARTYSIDE)
3. **PINK FLOYD**
4. **DAVID ♥'S JANET**
5. **BONG HITS**
6. **LSD**
7. **BOB MARLEY**
8. **SEX**
9. **Jerry G.!!!**
10. **LEGALIZE POT**
11. **BEING "THERE"**
12. **METALLICA**
13. **NORML**
14. **CAPTAIN BEYOND** (MASTER GROWER)
15. **PEACE** ☺
16. **Bob Boner** (a real cool guy!)
17. **NORMAN BATES + THE SHOWERHEADS**
(A GREAT BAND FROM QUEENS, NY)
18. **NAV 8** (GAME HIT TO PSYCHEDELIC AMERICA, THE FIRST CARD)
19. **GUNS 'N' ROSES**
20. **BIG, GREEN, STICKY, STINKY BUDS**
21. **THE ALL-AMERICAN WEED SEED CO.**
22. **WOODSIDE SMOKING PARTIES**
23. **10000 MANIACS**
24. **JERRY GARCIA'S FACE MELTING ON 7 HITS OF ASSORTED HALLUCINOGENS**
25. **LED ZEPPELIN**
26. **I LOATHE THE GRATEFUL DEAD**
27. **NYC AT NIGHT-WHAT A STRANGE PLANET**
28. **SMOKIN' IN THE WEEDWAGON**
29. **THE BURNSIDE 3B'S - BUSH, BEER AND BUDS!**
30. **LIGHT IT UP, BROVE!** (STILL FLYING HIGH!)
31. **ASK ED** (ED ROSENTHAL)
32. **THE FABULOUS FURRY FREAK BROTHERS**
33. **DANNY LOVES LORIE K.**
34. **EAGLE**
35. **"BITCH HOG"** THE ULTIMATE GRAVITY BONG
36. **SCALPERS ARE SCUM**
37. **SHANE PICHON LOVES BETH STOCKSTILL**
38. **HOWARD STERN'S UNDERPANTS PARTY**
39. **CALVIN + HOBBS**
40. **MARK'S CHOP SUEY** (NORTHSIDE CHICAGO)
41. **PRE-TURKEY SPLIFFS**
42. **JEFF SPICCOLI** (FAST TIMES)
43. **HASHISH**
44. **JIM MORRISON**
45. **HERB'S HERB** (BOGOTA'S FINEST)
46. **SMOKING JOINTS BEFORE COPS**
47. **JEN LOVES AARON**
48. **FRED'S HEFFER** (COMEDY GROUP)
49. **LITTLE FEAT**
50. **ACID**
51. **PLAYING DAD ON HALLUCINOGENS**
52. **CALIF. GREEN BUD**
53. **STEWIN' AT ALLAN'S**
54. **THE ORIGINAL LSD-25** (MILITARY QUALITY)
55. **THE WILSONS**
56. **JIMI HENDRIX**
57. **THE RED HOT CHILI PEPPERS**
58. **KELLY BUNDY**
59. **ALF** ALIEN LEGALIZATION FIGHTER #1
60. **HAZARD, KY.** (HOME OF APPALACHIAN THUNDERFUCK)
61. **PRaise THE ALMIGHTY FOR HE IS THE GIVER OF HERB**
62. **MIDWEST MARIJUANA HARVEST FESTIVAL 1988**
63. **EL + HEIDI - A SECOND START?**
64. **JANE'S ADDICTION**
65. **YUPPIES SUCK!**
66. **GREENPEACE**
67. **THE MIRACLE WORKERS**
68. **.9 BURN** (RUDY J)
69. **FREE WENDELLE STEVENS** (UFOLOGIST)
70. **THOMAS KING FOR CADE** (THE REAL KING OF CANNABIS)
71. **JANIS JOPLIN**
72. **MOTORHEAD**
73. **POURING BONG WATER DOWN A GAY-BASHER'S THROAT!**
74. **BUZZ KILL**
75. **ZIM + HOLLI'S WHITE, CRUSTY BED** (EEEEWW)
76. **THE WALL**
77. **RAT SALAD** (WEED, HASH, AND THC IN A BOWL)
78. **BURY MANILOW**
79. **HIGH SCHOOL SUCKS**
80. **LESBIAN CAT FISH**
81. **PEACE, LOVE + ORAL SEX**
82. **DIG SPUDS A GRAVE!**
83. **"BEER BONG"** (FUNNEL WITH A CLEAR SIPHON HOSE - POUR CAN BEER + CHUG!) ☺
84. **A BEAUTIFUL DAY** ☺
85. **THE RETURN OF THE TOILET MONSTER**
86. **BAD BRAINS** (REGGAE/HARDCORE BAND)
87. **WHAT'S THE PRICE?** 69 TWICE!!
PEACEFUL PLACE...OR SO IT SEEMS FROM SPACE. CLOSER LOOK REVEALS THE HUMAN RACE. FULL OF HOPE, FULL OF GRACE IS THE HUMAN FACE - BUT AFRAYE WE MAY LAY OUR OWN TO WASTE!
88. **DAN QUAYLE IS A DICKHEAD**
90. **CRIMPSHINE**
91. **LISA'S BIKINI HOUR**
92. **HYDROPONICS SUCK - GROW OUTDOORS THE NATURAL, ORGANIC WAY**
93. **☺ + ☺ = ☺**
94. **ARK - HOLLAND HOMEGROWN**
95. **US ARMY - PROTECTING YOUR COUNTRY AND FRYING OUR BRAINS!**
96. **RED DOG SALOON** JUNEAU, ALASKA
97. **KILL McGRUFF**
98. **MOM SMOKED MY STASH SO I'M STUCK SMOKING SHIT SLEEP FROM SOME DWEEB!**
99. **BEING STRAIGHT** (PARTYING WITHOUT DRUGS)
100. **STEWED POSSUM TAILS** (A SOUTHERN FAVORITE)

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40A 240V, 24hr, Industrial	38.95
40A 120V, 1-60 minute cycle	67.95
15A 120V, 4 ON - 4 OFF, 1 minute min.	26.95

■ FANS & BLOWERS

100 CFM Axial Fan	25.95
240 CFM Axial Fan	57.95
560 CFM Axial Fan	68.95
60 CFM, Squirrel Cage	33.95
100 CFM, Squirrel Cage	38.95
140 CFM, Squirrel Cage	40.95
265 CFM, Squirrel Cage	49.95
465 CFM, Squirrel Cage	61.95
745 CFM, Squirrel Cage	128.95
980 CFM, Squirrel Cage	122.95
1450 CFM, Squirrel Cage	151.95
300 CFM, Duct Fan	44.95
425 CFM, Duct Fan	47.95
660 CFM, Duct Fan	51.95
9" Oscillating Table Fan	24.95
12" Oscillating Table Fan	33.95
16" Oscillating Table Fan	48.95
9" Wall Mount Fan	48.95
12" Wall Mount Fan	52.95
16" Wall Mount Fan	59.95

■ THERMOSTATS & HUMIDISTATS

Thermostat, heating or cooling	19.95
Thermostat, heating or cooling w/ remote probe	34.95
Humidistat 40 - 90%	47.95
Combo Thermostat-Humidistat Fan Controller completely wired with 2 outlets	109.95

■ SUBMERSIBLE PUMPS

120 GPH	36.95
140 GPH	38.95
170 GPH	39.95
205 GPH w/ float control	59.95
240 GPH	47.95
1250 GPH	67.95

■ PROPAGATION AIDS

24" x 44" x 11" Propagation Dome	49.95
48" x 11" Pro-Heat Tape	21.95
Thermostat w/ remote probe ± 1°	69.95
Woods Rooting Compound	7.95
Rootone F, 2oz	4.49
Olivia's Cloning Solution, 1 qt	11.95
Olivia's Cloning Solution, 1 gal ..	39.95

■ ROCKWOOL

1 1/4 x 1 1/4 Multi-Blocks07
2 x 2 Multi-Blocks10
3 x 3 Cube34
4 x 4 Cube48
6" x 3" Slab	4.75
8" x 3" Slab	6.25
12" x 3" Slab	9.50
45lb Repellent Bale	28.50
35lb Absorbant Bale	22.00
55lb Absorbant Bale	49.00
Full case discount of 10% on Rockwool products	

■ REFLECTANTS

4' x 25' Mylar	17.95
4' x 50' Mylar	27.95
4' x 100' Mylar	44.95
20' x 100' White Visqueen	59.95



SLAB SYSTEM \$59.00/Module*

Includes 3 - 3' x 8" Rockwool Slabs, Drip Irrigation System & Tray
*(Benching, Pump, Timer & Reservoir purchased separately)

■ BOOKS

Gardening Indoors	16.95
Beginning Hydroponics	7.95
Hydroponic Food Production	29.95
Rockwool In Horticulture	34.95

We also carry General Hydroponics, Suncor, WonderGrow and Eco nutrients and pH Control along with many other products. Complete price list available.



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WE WILL MEET OR BEAT ANY
REASONABLE PRICES BY 10%
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100% GUARANTEE

NOT
SURE?
SAMPLE
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MAXI PACK
1000 TABLETS &
CAPSULES
TOTAL/10 TYPES
\$42.50
#26

MINI PACK
500 TABLETS &
CAPSULES
TOTAL/5 TYPES
\$22.50
#31
INGREDIENTS MAY VARY



1000 / 100
\$28.50 / \$6.50
CODE #3
300 MGS CAFFEINE



1000 / 100
\$28.50 / \$6.50
CODE #4
325 MGS CAFFEINE



1000 / 100
\$32.50 / \$7.50
CODE #5
357 MGS CAFFEINE



1000 / 100
\$28.50 / \$6.50
CODE #20
325 MGS CAFFEINE

NOTE

Our products bear our trademark. They cannot be confused with any other product on the market. Any attempts to offer these products for sale as a controlled substance or prescription drug may be a crime. This may result in criminal prosecution. Compliance with any law is the purchaser's responsibility.

AFTER!



EXTRA
STRENGTH

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PAYMENT:

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 - C.O.D. (CASH ON DELIVERY) (PHONE IN ONLY) \$12.50 min.
 - ALL ORDERS IN US FUNDS
- Offers subject to change without notice. Take only as directed. Read all package statements, no sales to minors or where prohibited by law. The advertised products have various levels of non-controlled ingredients. O.T.C.'s Not to be Mixed with Alcohol.

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50 MGS
DIPHENHYDRAMINE
CODE #25
100
\$10.00

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DIET AID

1000 / 100
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(TIME RELEASED)

1000 / 100
\$17.95 / \$6.50
CODE #10
25 MGS EPHEDRINE

1000 / 100
\$17.50 / \$6.50
CODE #9
85 MGS CAFFEINE

FAST ONES

FIGHTS THAT DROWSY
FEELING BY IMPROVING
YOUR STAMINA,
COORDINATION,
CONCENTRATION!

FAST ONES

NEVER LETS YOU MISS
THOSE SPECIAL MOMENTS!

FAST ONES

GIVES YOU EXTRA STAMINA
TO LOSE THOSE UNWANTED
POUNDS AND INCHES THAT
MAKE YOU FEEL SO
UNATTRACTIVE AND
UNDESIRABLE!

FAST ONES

LETS YOU LIVE A MORE
EXPERIENCING LIFE!

CHOOSE FROM A WIDE VARIETY TO GET YOUR
EXACT TYPE AND STRENGTH YOU PREFER.
THAT'S SOMETHING STORES CAN'T DO!

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(THICK)

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CODE #9
85 MGS CAFFEINE

1000 / 100
\$23.95 / \$6.50
CODE #13
200 MGS CAFFEINE

1000 / 100
\$22.50 / \$6.50
CODE #5
225 MGS CAFFEINE

1000 / 100
\$22.50 / \$6.50
CODE #1
250 MGS CAFFEINE

1000 / 100
\$22.50 / \$6.50
CODE #1
250 MGS CAFFEINE

FAST ONES™ SPECIAL PRICE
"Super Strength" 1000 / 100
\$30.00 / \$6.50

FASTONES
"FREE SAMPLES"
CODE
#30
350 MGS CAFFEINE

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\$22.50 / \$6.50
CODE #5
225 MGS CAFFEINE

1000 / 100
\$23.95 / \$6.50
CODE #13
200 MGS CAFFEINE

1000 / 100
\$22.50 / \$6.50
CODE #1
250 MGS CAFFEINE

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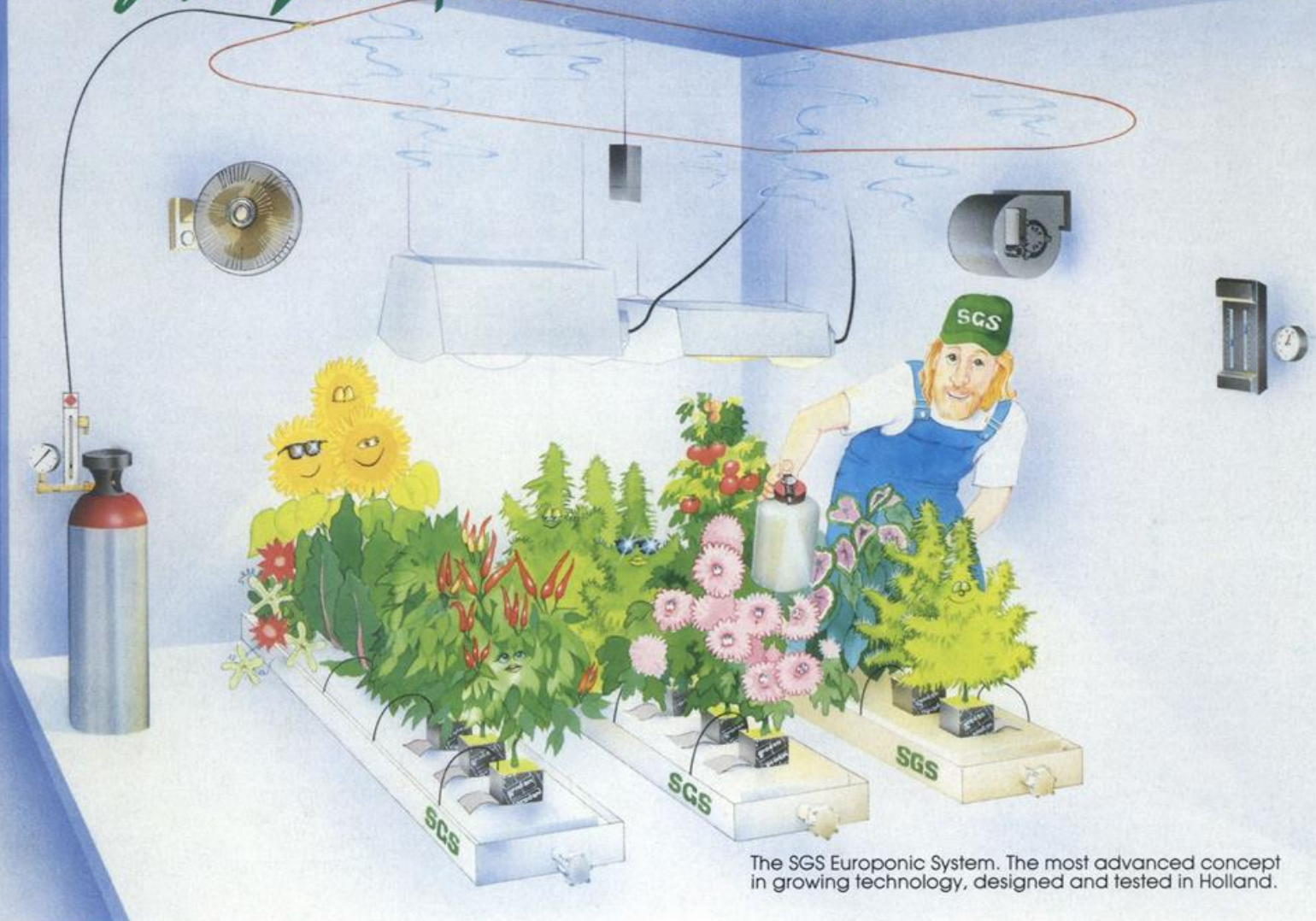
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